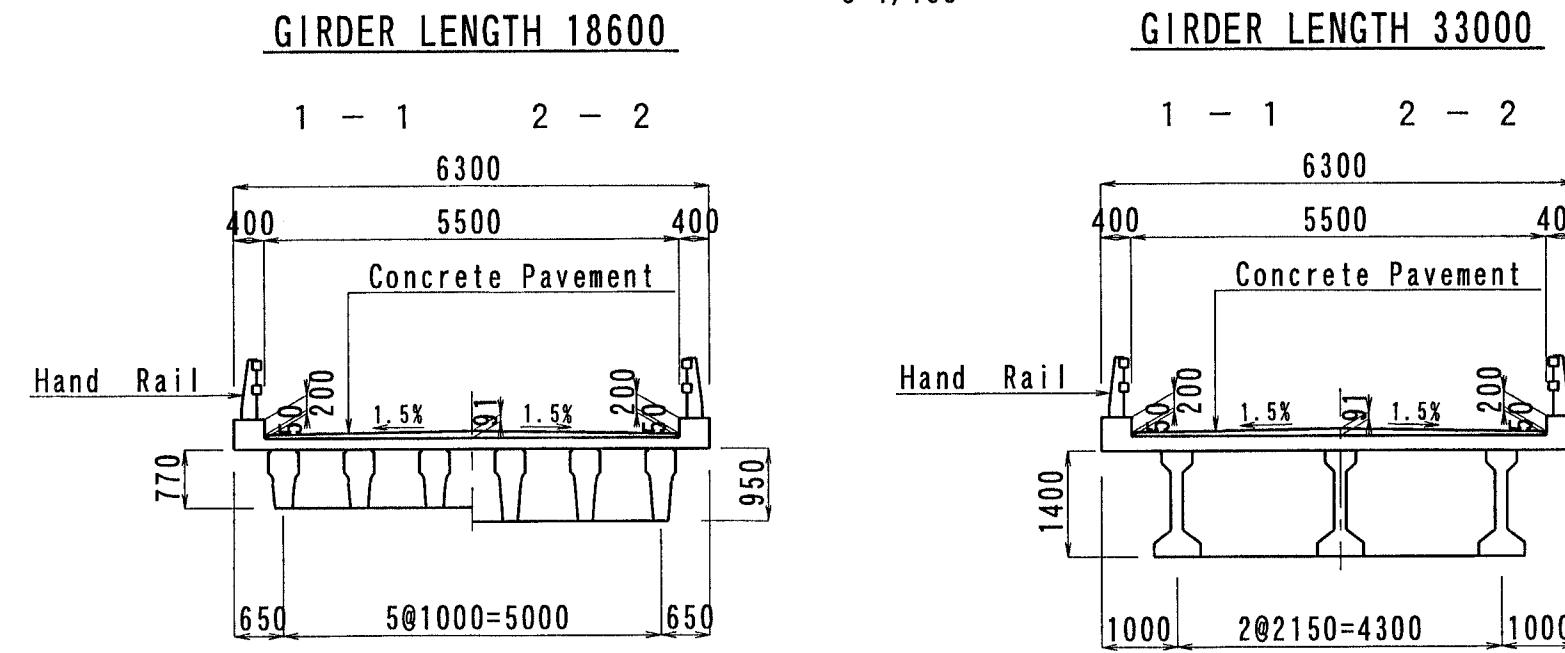
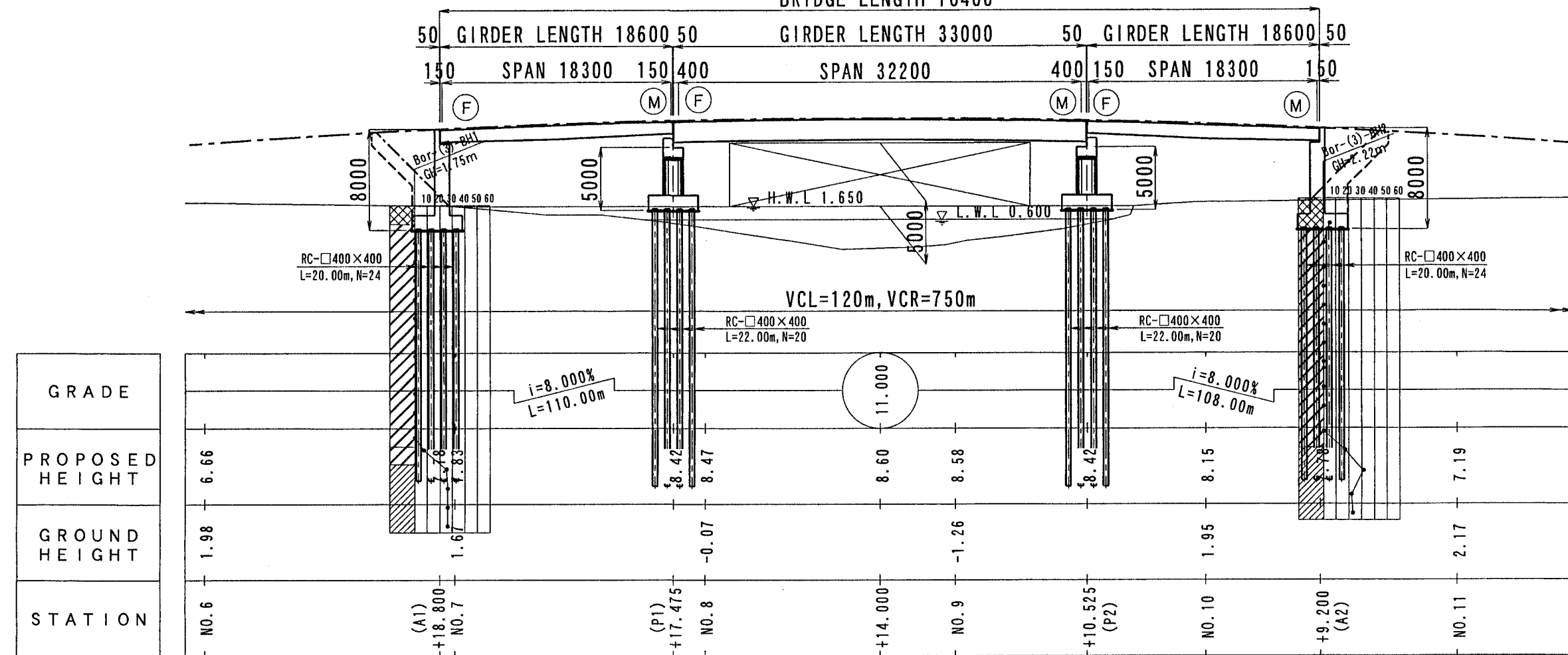


Appendix 10.
General View of Bridges (only) for Bridge
Construction

PROFILE
S=1/400

Br. No. (3) Hoa Binh Bridge
(General View of the Bridge)

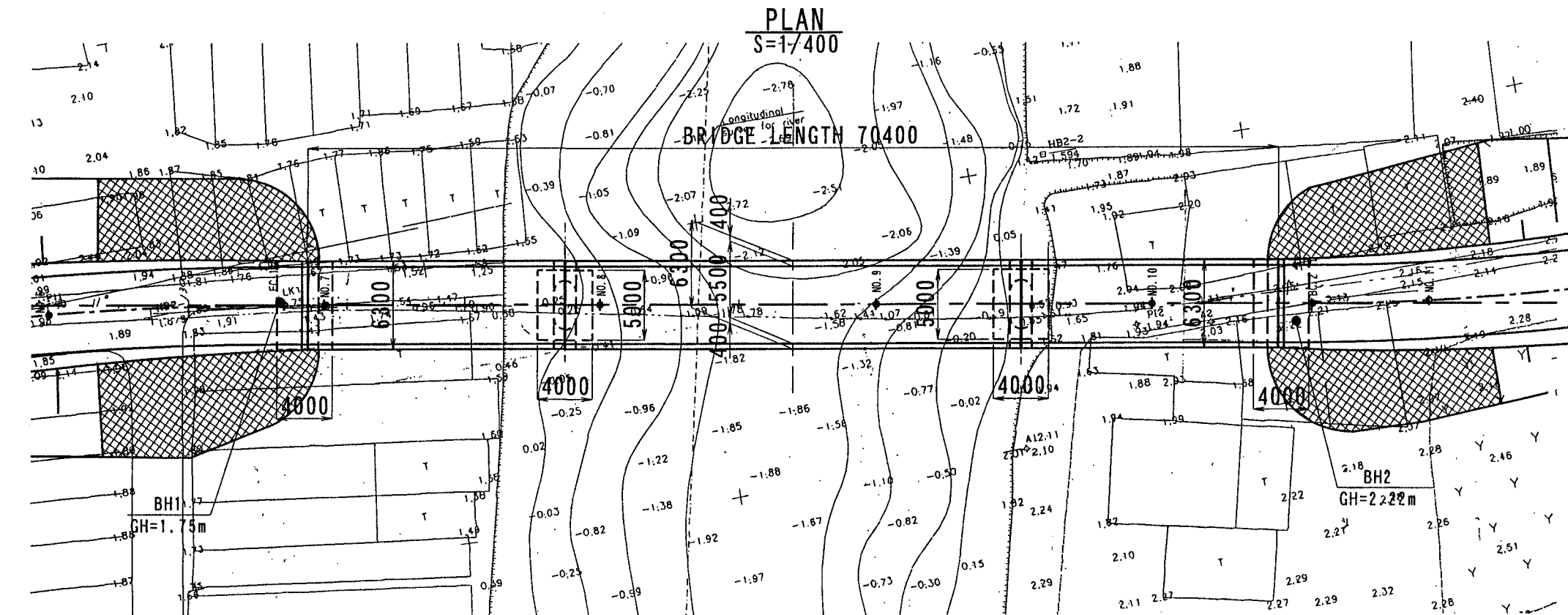
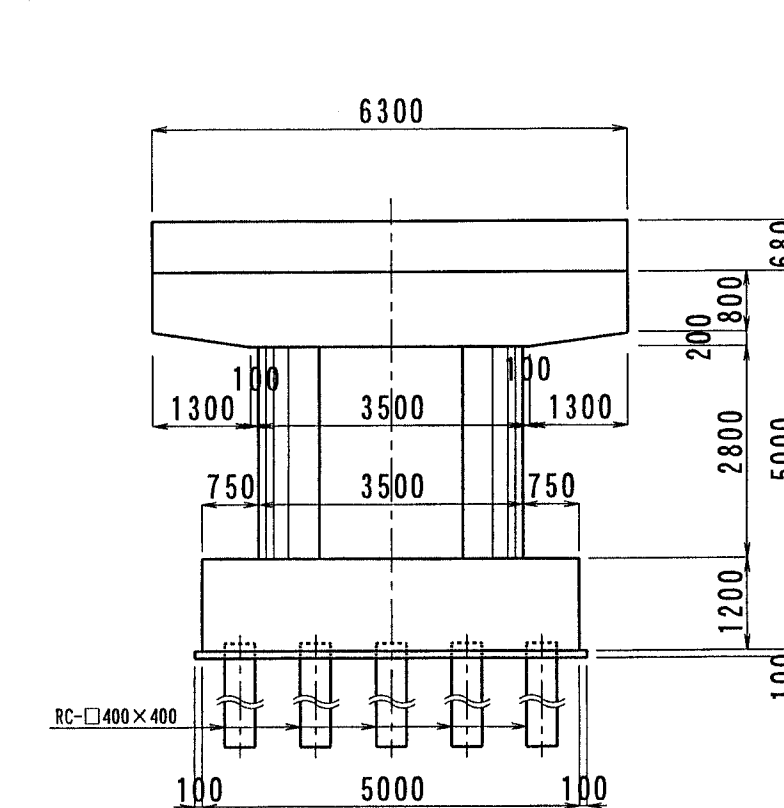
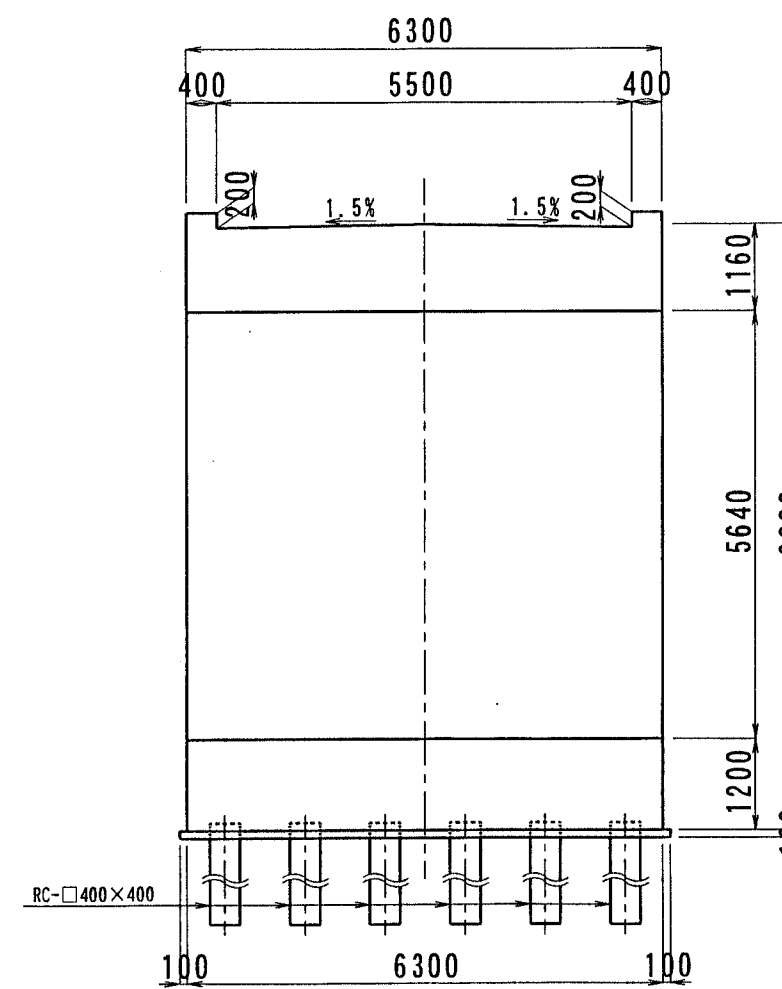
CROSS SECTION FOR PC GIRDER
S=1/100



FRONT VIEW
S=1/100

ABUTMENT

PIER



DESIGN CRITERIA

General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	70.40m (18.30m+32.20m+18.30m)
Clearance (H.B)	5.0m x 24.0m
Longitudinal Gradient	8.0% max
Cross-fall of Carriage way	1.50%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment: Reinforced Concrete Pier: Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm
Material Strength	
Super Structure Type	Girder: $\sigma 28=400\text{kgf/cm}^2$ Cross Beam: $\sigma 28=300\text{kgf/cm}^2$ Slab: $\sigma 28=300\text{kgf/cm}^2$
Surface	Asphalt: 5cm Curb, Wall: $\sigma 28=300\text{kgf/cm}^2$ $\sigma 28=200\text{kgf/cm}^2$
Sub Structure Type	$\sigma 28=200\text{kgf/cm}^2$
Reinforcing Steel	SD295 ($\sigma_y=30\text{kg/mm}^2$)

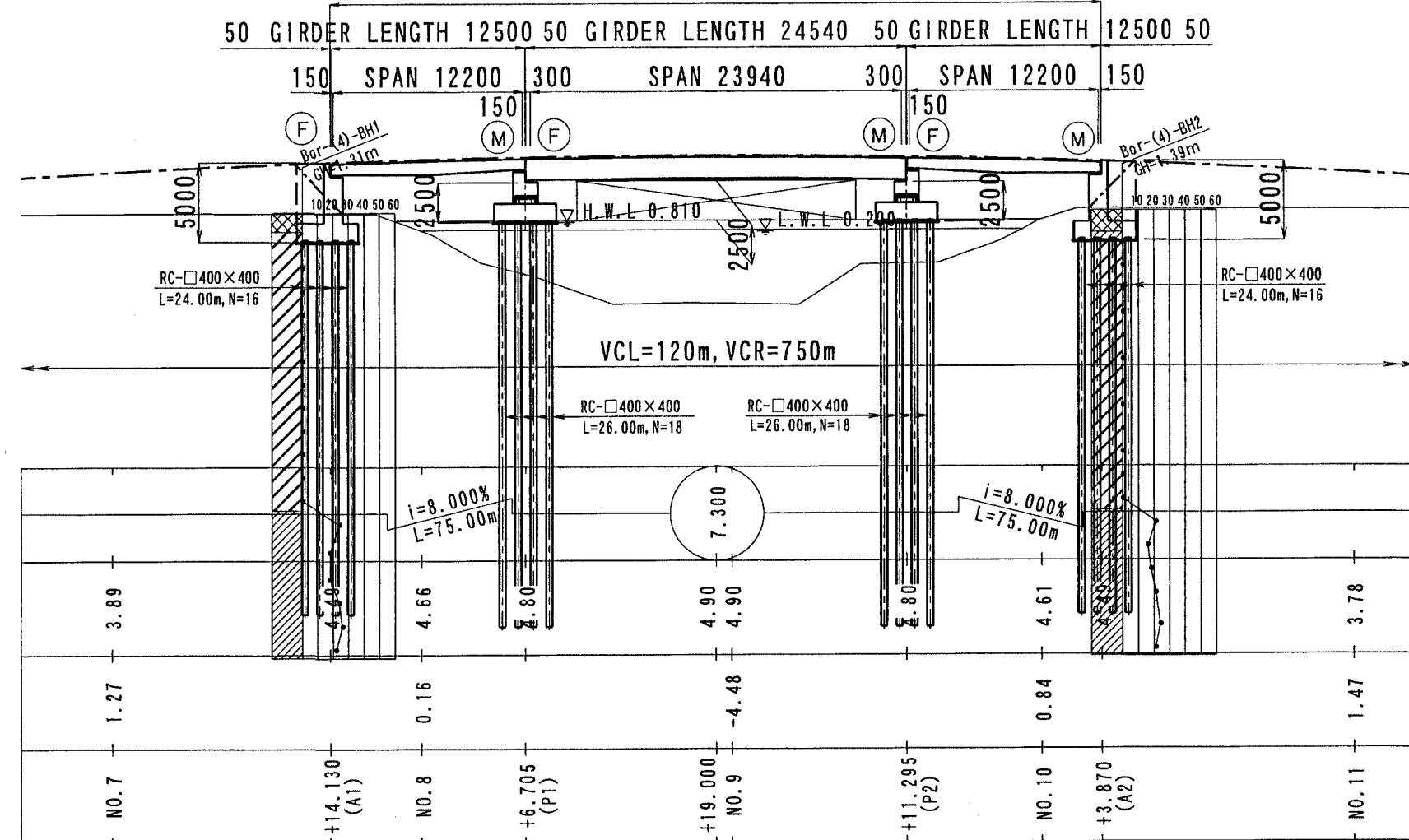
BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA		
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International		
Drawing Title	Scale	Drawing No.
Br. No. (3) Hoa Binh Bridge (General View of the Bridge)	1/400, 1/100	

Br. No. (4) Den Bridge
(General View of the Bridge)

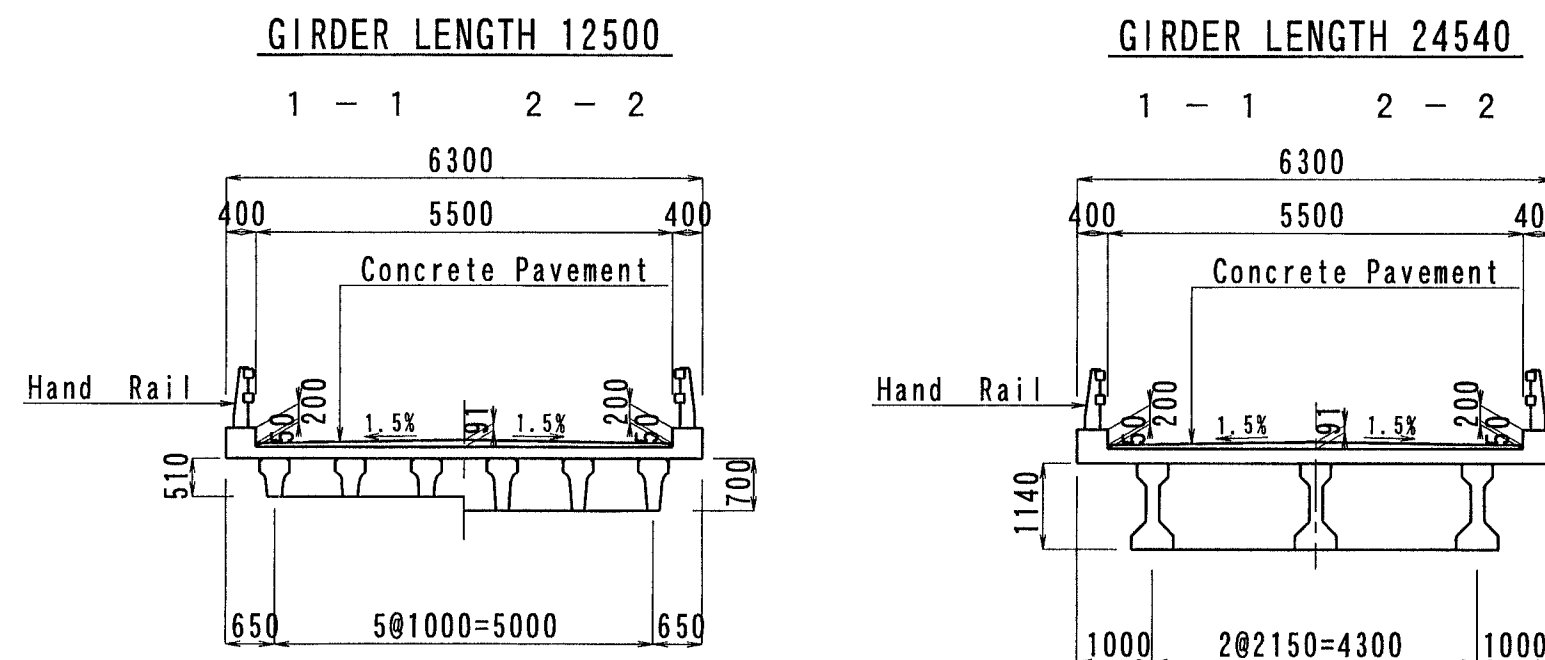
PROFILE

S=1/400

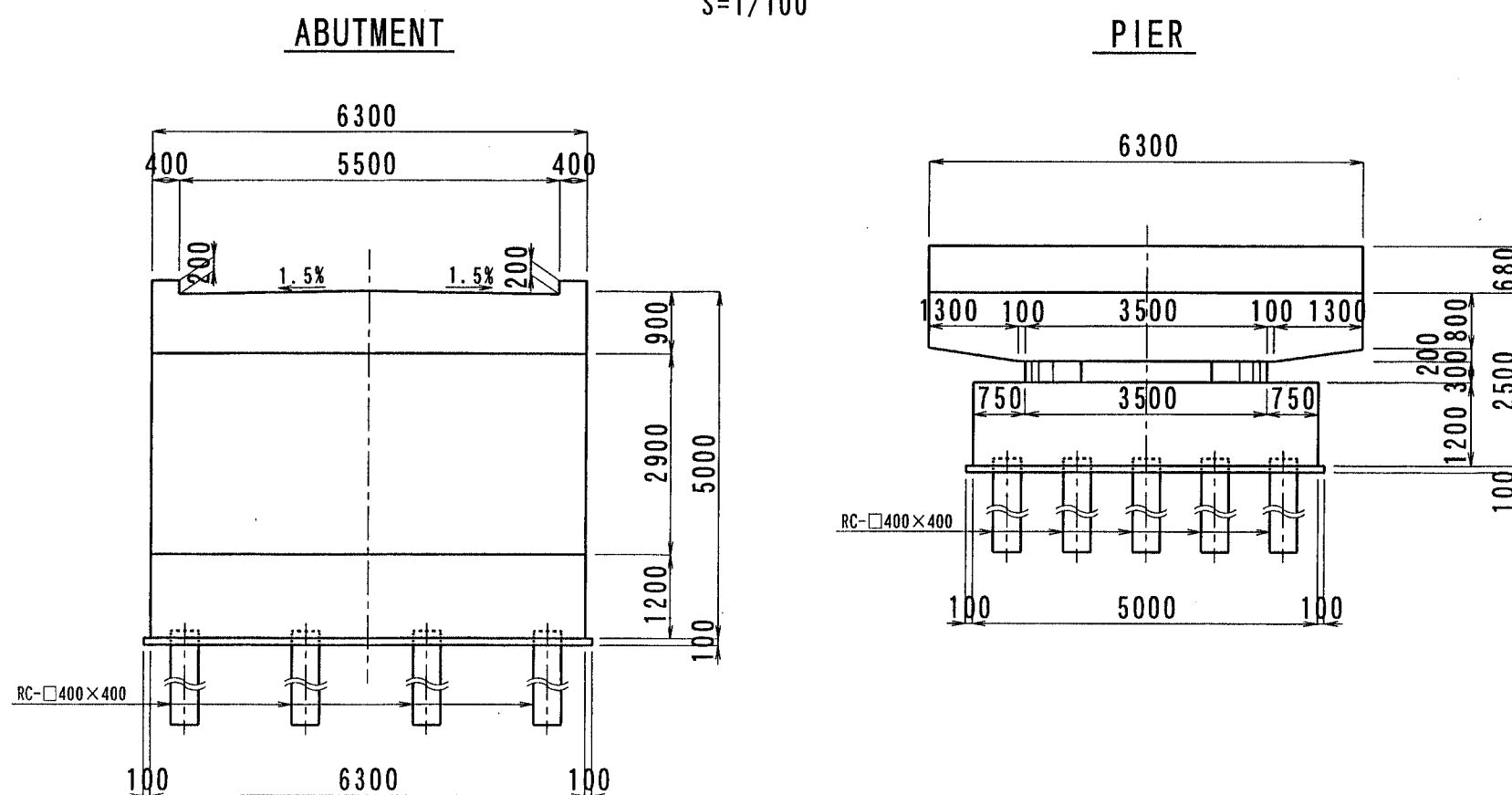
BRIDGE LENGTH 49740



CROSS SECTION FOR PC GIRDER
S=1/100

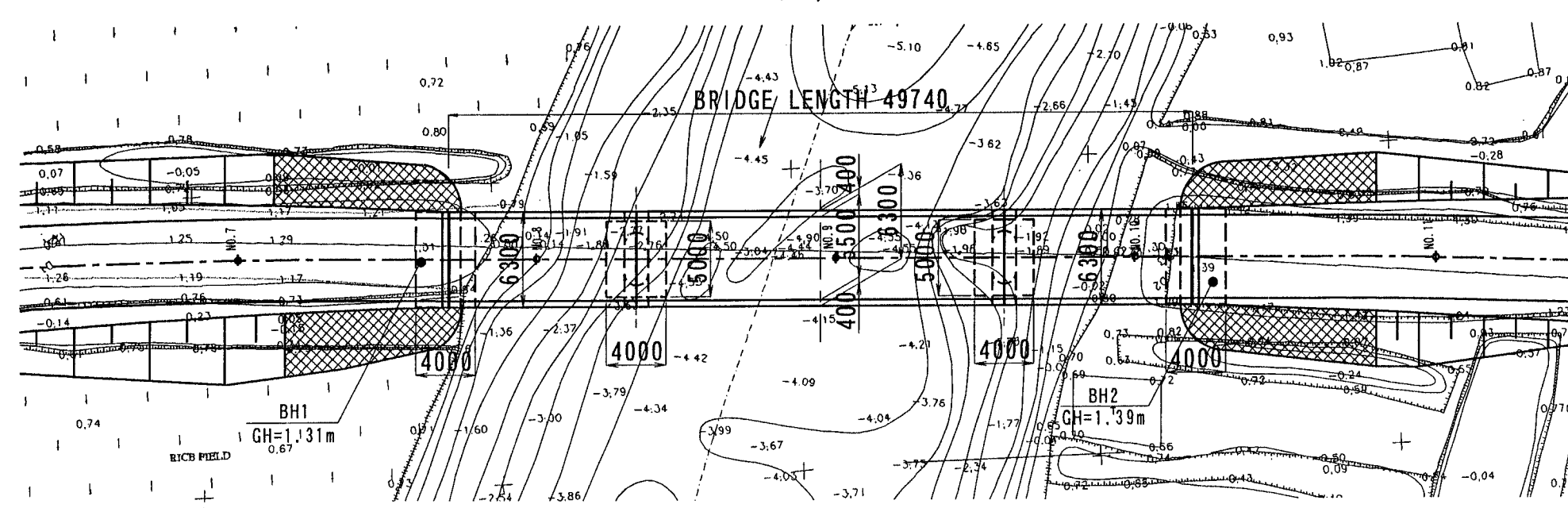


FRONT VIEW
S=1/100



PLAN

S=1/400



DESIGN CRITERIA

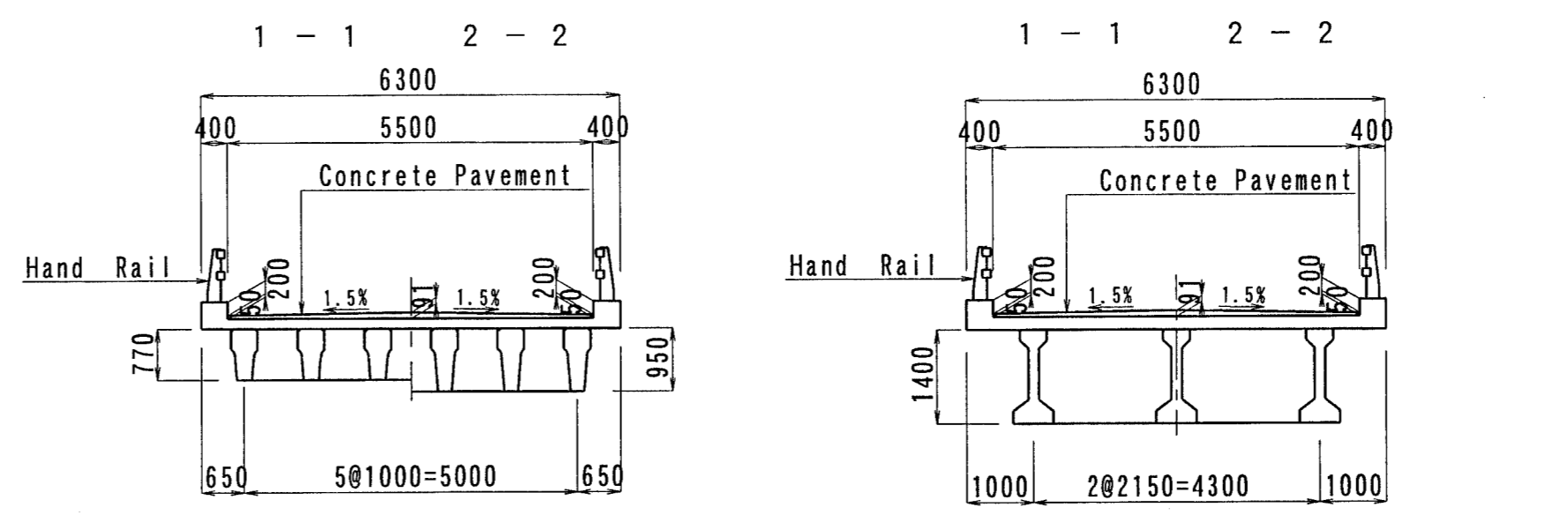
General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	49.74m (12.20m+23.94m+12.20m)
Clearance (H,B)	2.5m x 18.0m
Longitudinal Gradient	8.0% max
Cross-fall of Carriage way	1.50%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment: Reinforced Concrete Pier: Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm
Material Strength	
Super Structure Type	Girder: $\sigma_{28}=400\text{kgf/cm}^2$ Cross Beam: $\sigma_{28}=300\text{kgf/cm}^2$ Slab: $\sigma_{28}=300\text{kgf/cm}^2$
Surface	Asphalt: 5cm Curb, Wall: $\sigma_{28}=300\text{kgf/cm}^2$ Sub Structure Type: $\sigma_{28}=200\text{kgf/cm}^2$
Reinforcing Steel	SD295 ($\rho_y=30\text{kg/mm}^2$)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA		
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Br. No. (4) Den Bridge (General View of the Bridge)	1/400, 1/100	

Br. No. (6) Vam Dinh Bridge
(General View of the Bridge)

CROSS SECTION FOR PC GIRDER
S=1/100

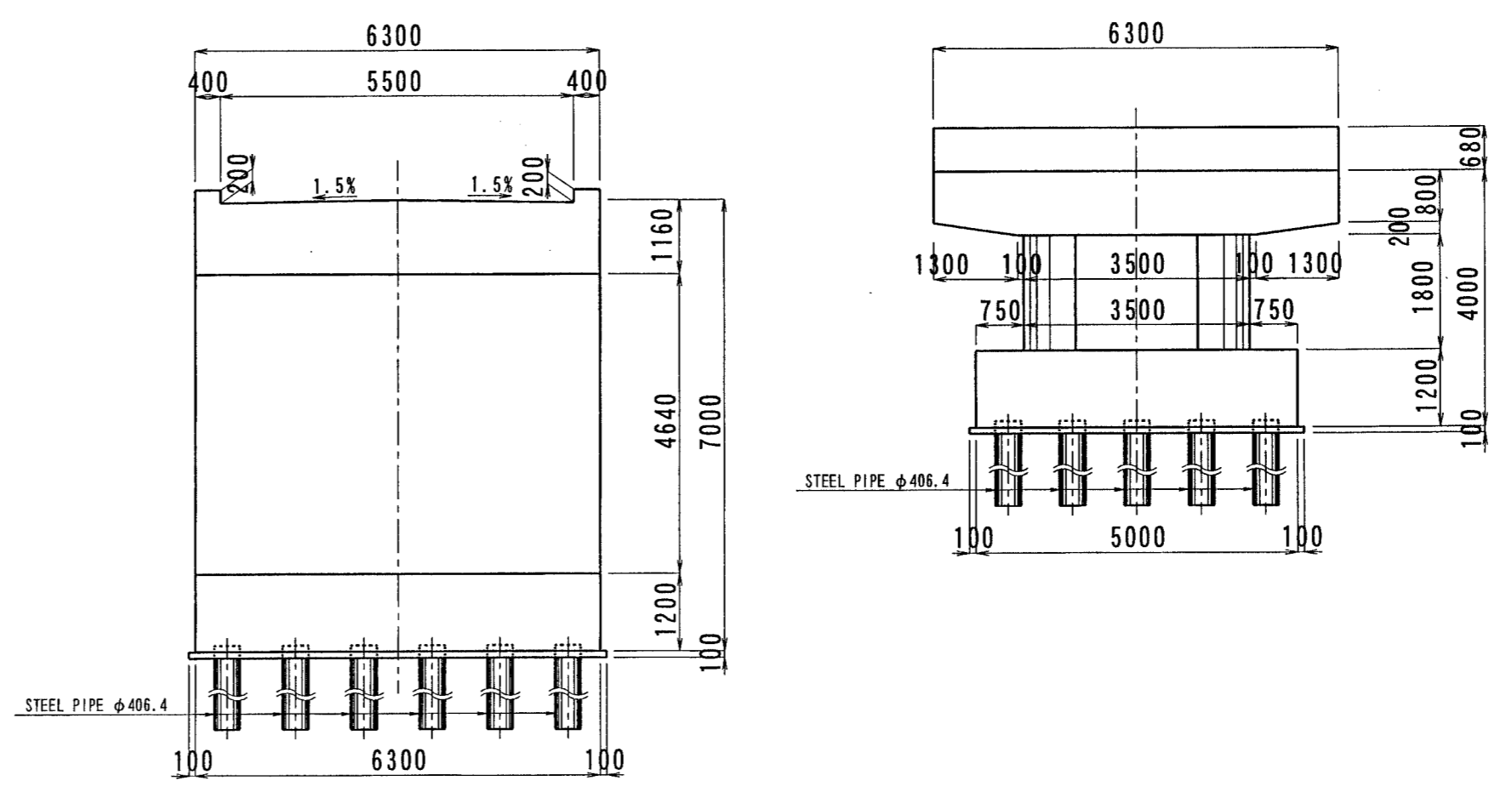
GIRDER LENGTH 18600 GIRDER LENGTH 33000



FRONT VIEW
S=1/100

ABUTMENT

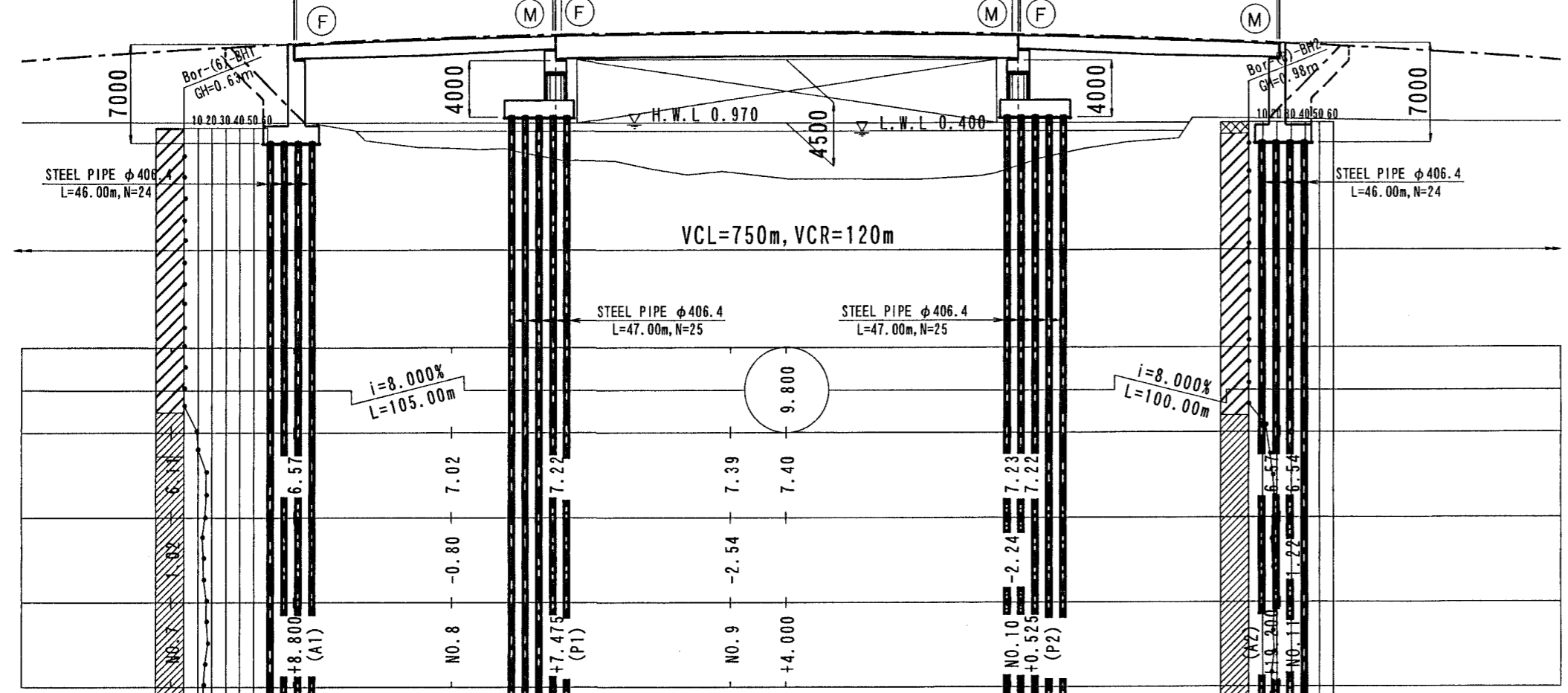
PIER



PROFILE
S=1/400

BRIDGE LENGTH 70400

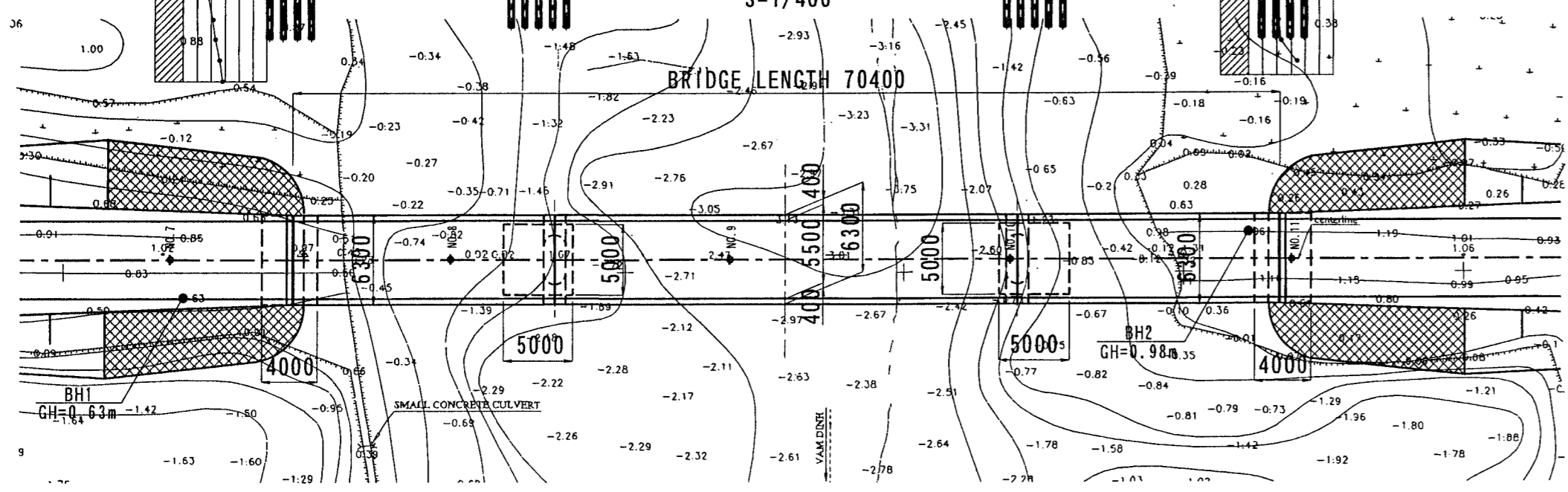
50 GIRDER LENGTH 18600 50 GIRDER LENGTH 33000 50 GIRDER LENGTH 18600 50
150 SPAN 18300 150 400 SPAN 32200 400 150 SPAN 18300 150



GRADE	
PROPOSED HEIGHT	
GROUND HEIGHT	
STATION	

PLAN
S=1/400

BRIDGE LENGTH 70400



DESIGN CRITERIA

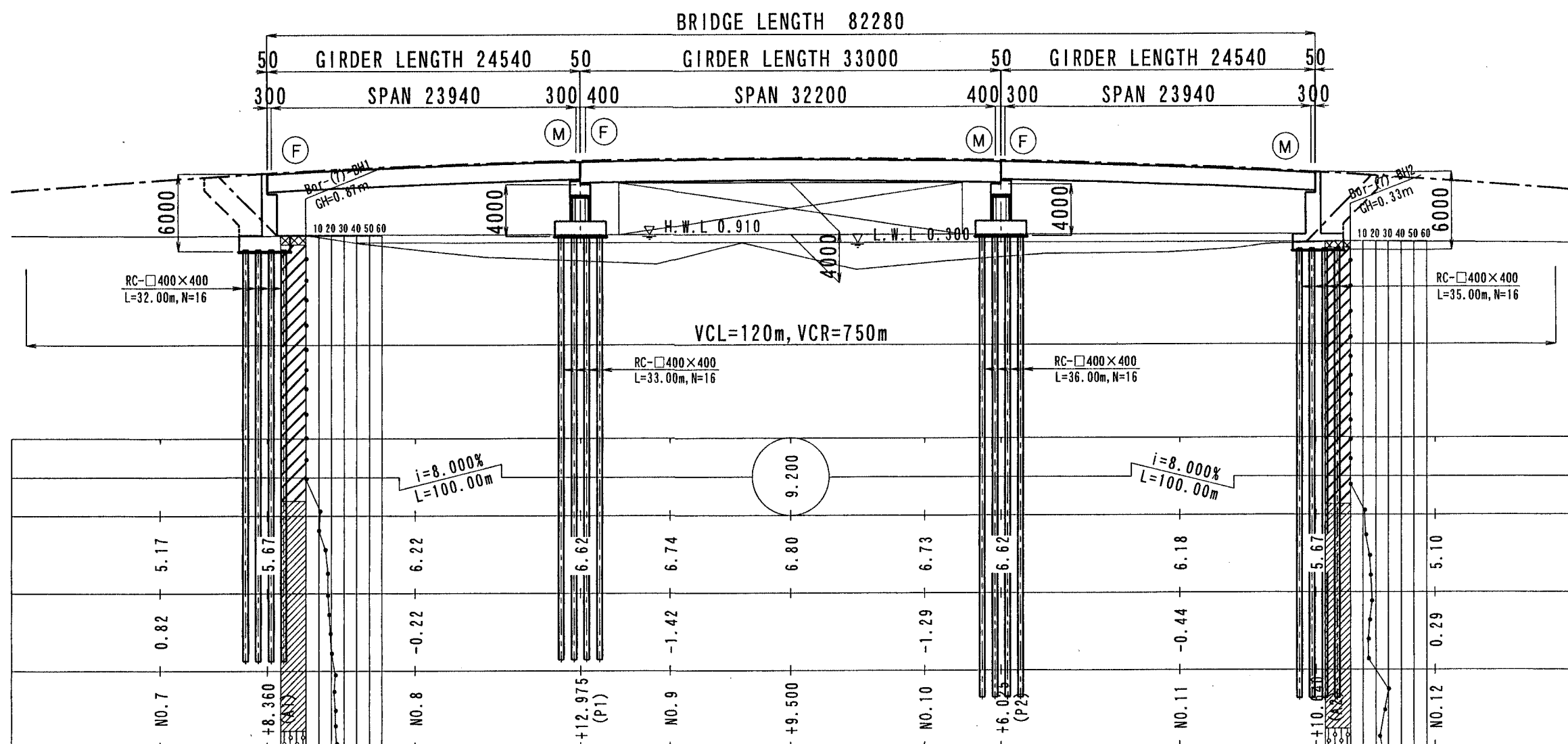
General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	70.40m (18.30m+32.20m+18.30m)
Clearance (H.B)	4.5m x 30.0m
Longitudinal Gradient	8.0% max
Cross-fall of Carriage way	1.50%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment: Reinforced Concrete Pier: Reinforced Concrete
Foundation Type	STEEL PIPE φ406.4mm
Material Strength	
Super Structure Type	Girder: σ28=400kgf/cm ² Cross Beam: σ28=300kgf/cm ² Slab: σ28=300kgf/cm ²
Surface	Asphalt: 5cm Curb, Wall: σ28=300kgf/cm ²
Sub Structure Type	σ28=200kgf/cm ²
Reinforcing Steel	SD295 (fy=30kg/cm ²)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA

Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Br. No. (6) Vam Dinh Bridge (General View of the Bridge)	1/400, 1/100	

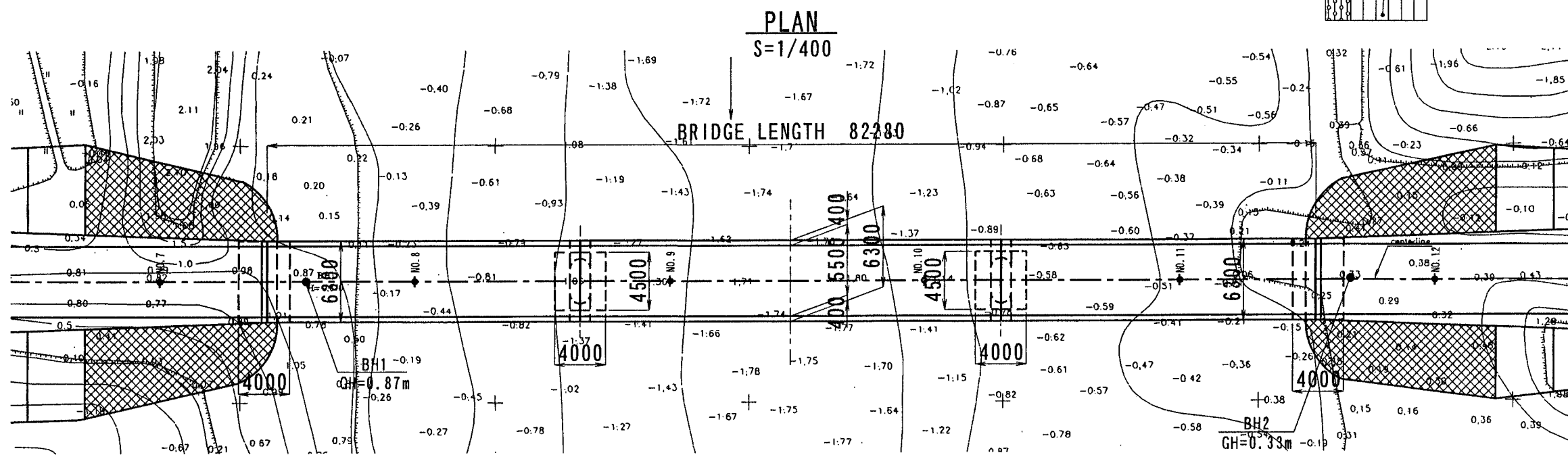
Br. No. (7) Kiem Lam Bridge
(General View of the Bridge)

PROFILE
S=1/400

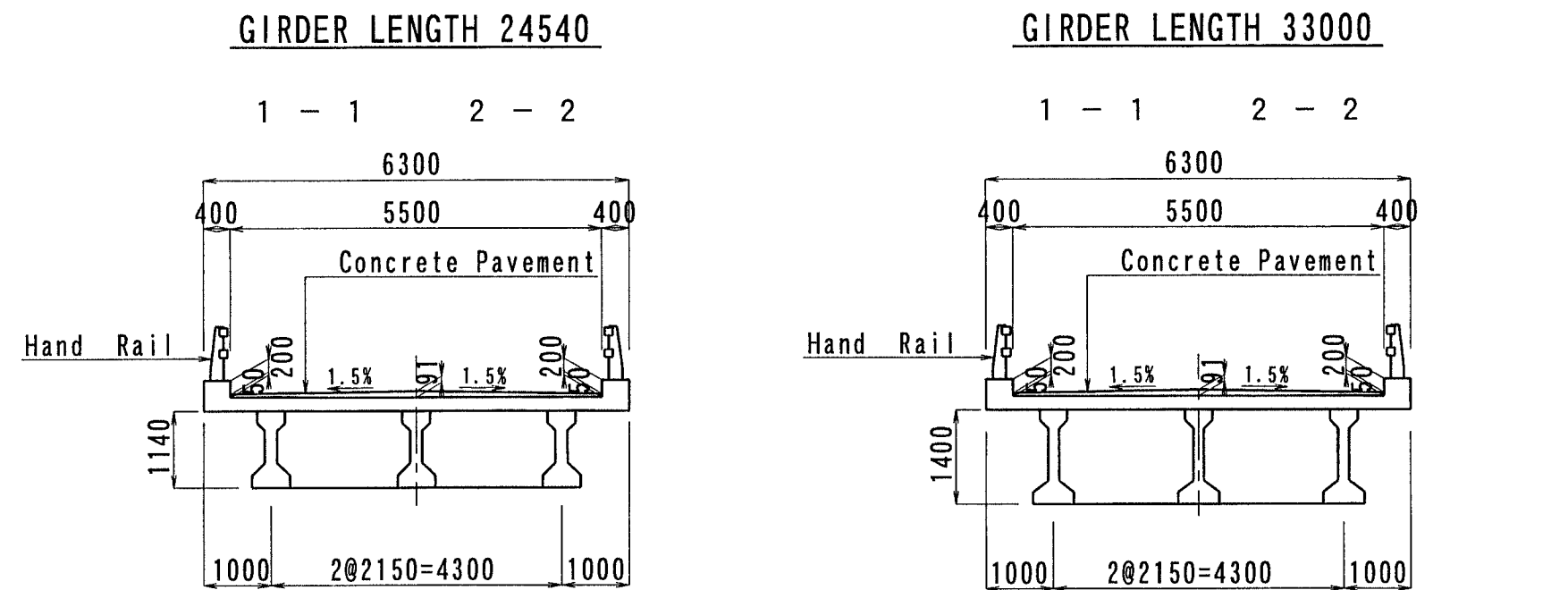


STATION	NO. 7	NO. 8	NO. 9	NO. 10	NO. 11	NO. 12
GRADE						
PROPOSED HEIGHT	5.17	6.22	6.74	6.80	6.18	5.10
GROUND HEIGHT	0.82	-0.22	-1.42	-1.29	-0.44	0.29

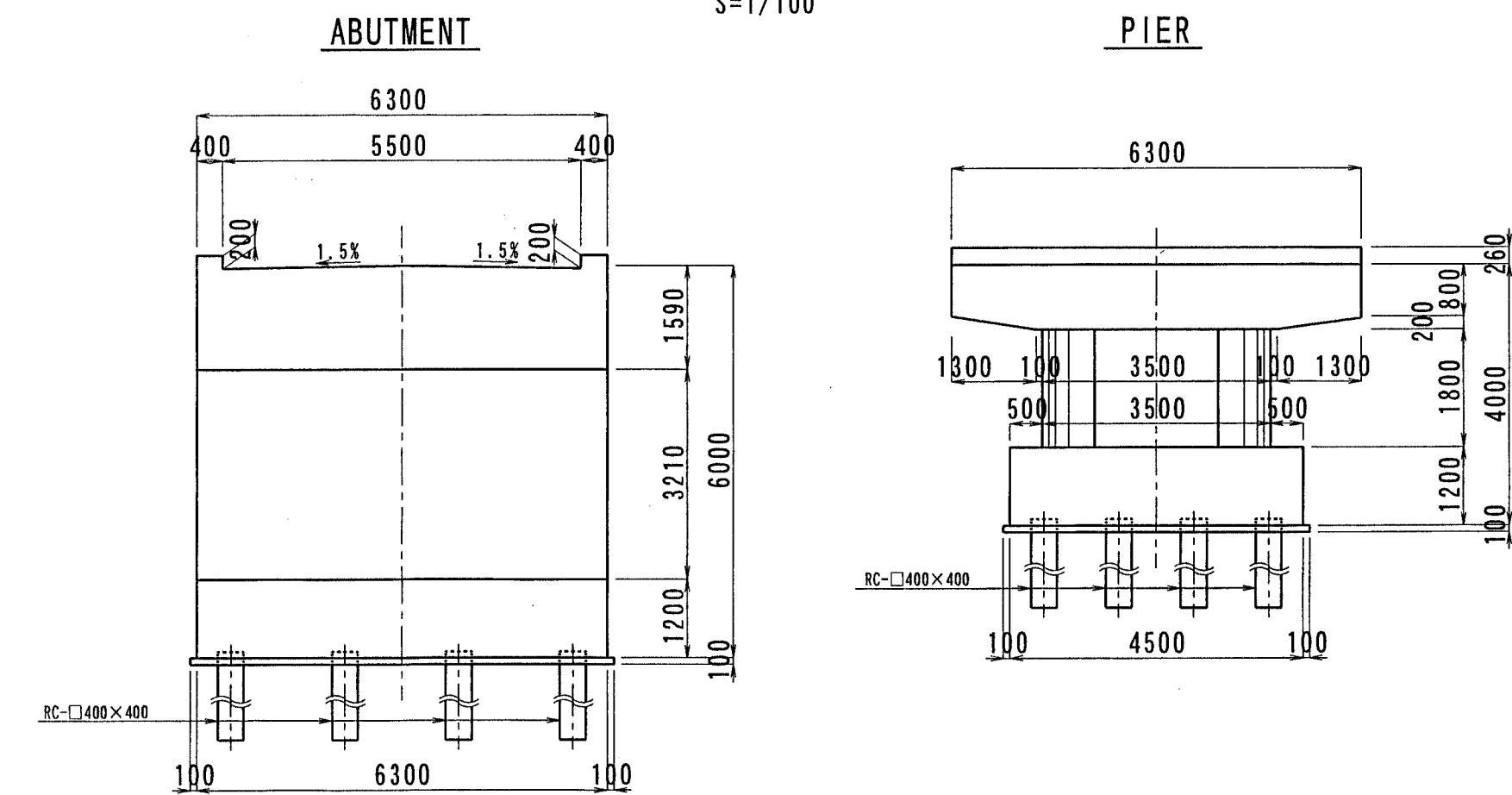
PLAN
S=1/400



CROSS SECTION FOR PC GIRDER
S=1/100



FRONT VIEW
S=1/100



DESIGN CRITERIA

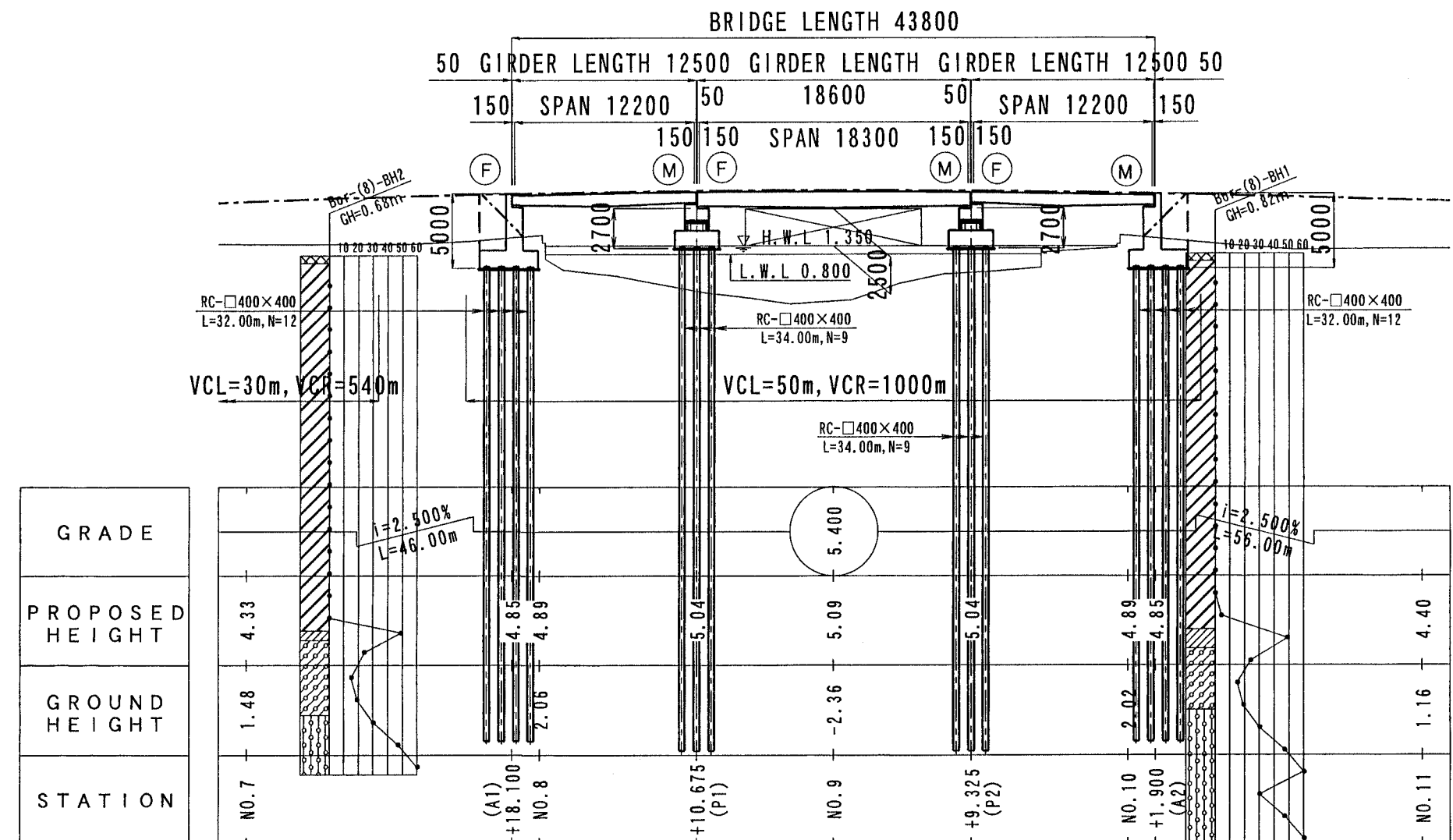
General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	82.28m(23.94m+32.20m+23.94m)
Clearance(H, B)	4.0m x 27.0m
Longitudinal Gradient	8.0%max
Cross-fall of Carriage way	1.5%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment Reinforced Concrete Pier Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm
Material Strength	
Super Structure Type	Girder $\sigma 28=400\text{kgf/cm}^2$ Cross Beam $\sigma 28=300\text{kgf/cm}^2$ Slab $\sigma 28=300\text{kgf/cm}^2$
Surface	Asphalt 5cm Curb, Wall $\sigma 28=300\text{kgf/cm}^2$
Sub Structure Type	$\sigma 28=200\text{kgf/cm}^2$
Reinforcing Steel	SD295 ($\rho_y=30\text{kg/mm}^2$)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA

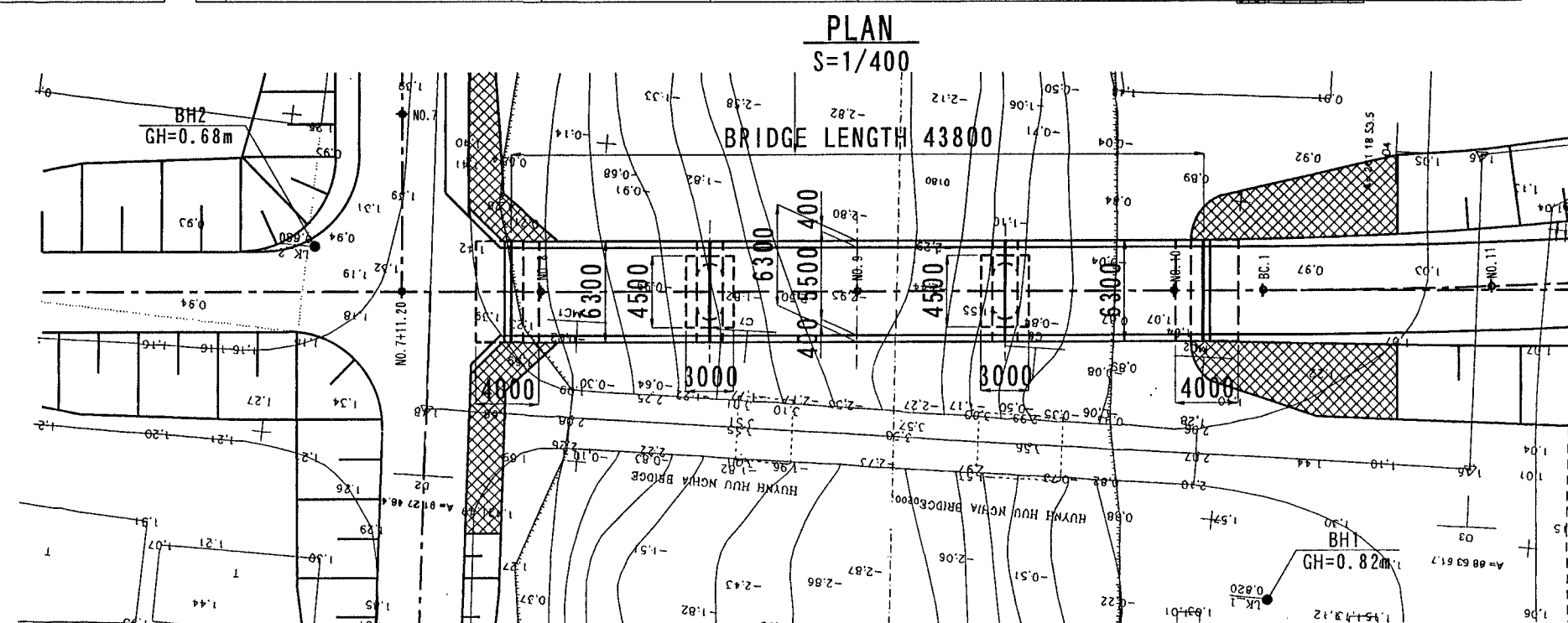
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Br. No. (7) Kiem Lam Bridge (General View of the Bridge)	1/400, 1/100	

Br. No. (8) Huynh Huu Nghia Bridge
(General View of the Bridge)

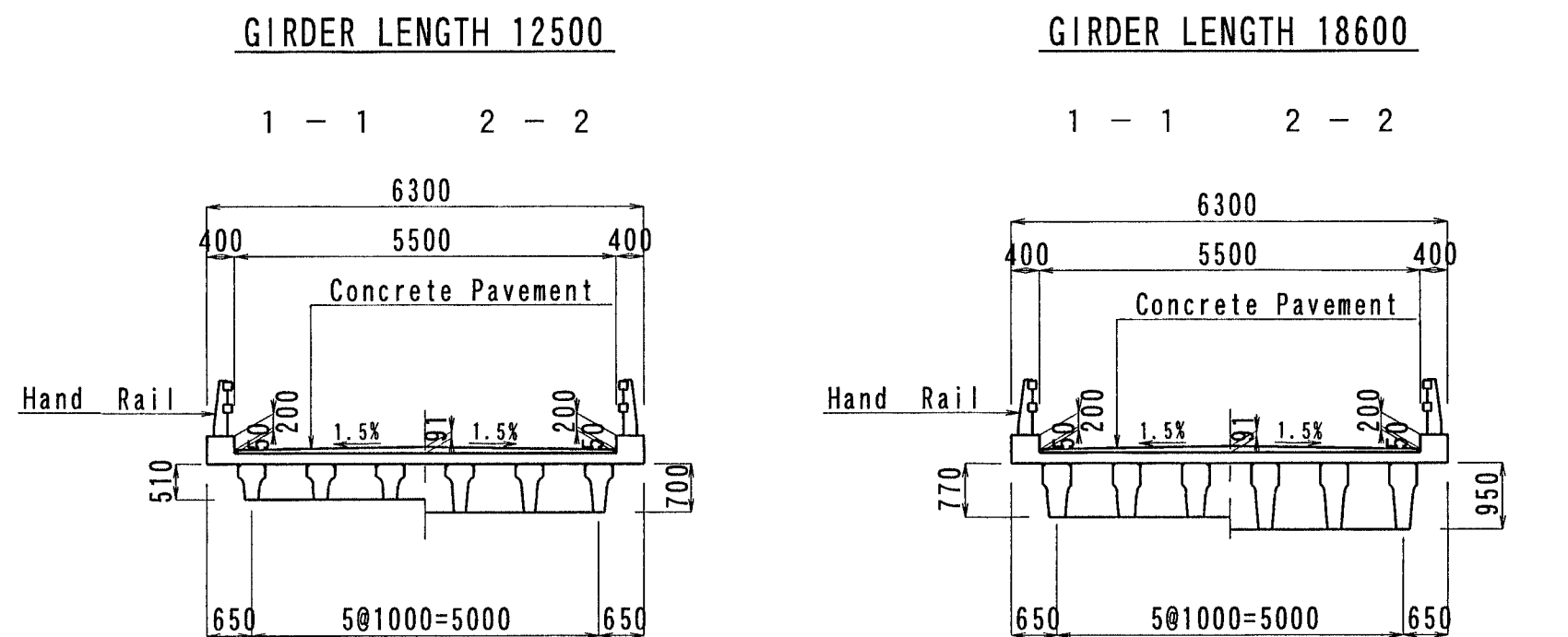
PROFILE
S=1/400



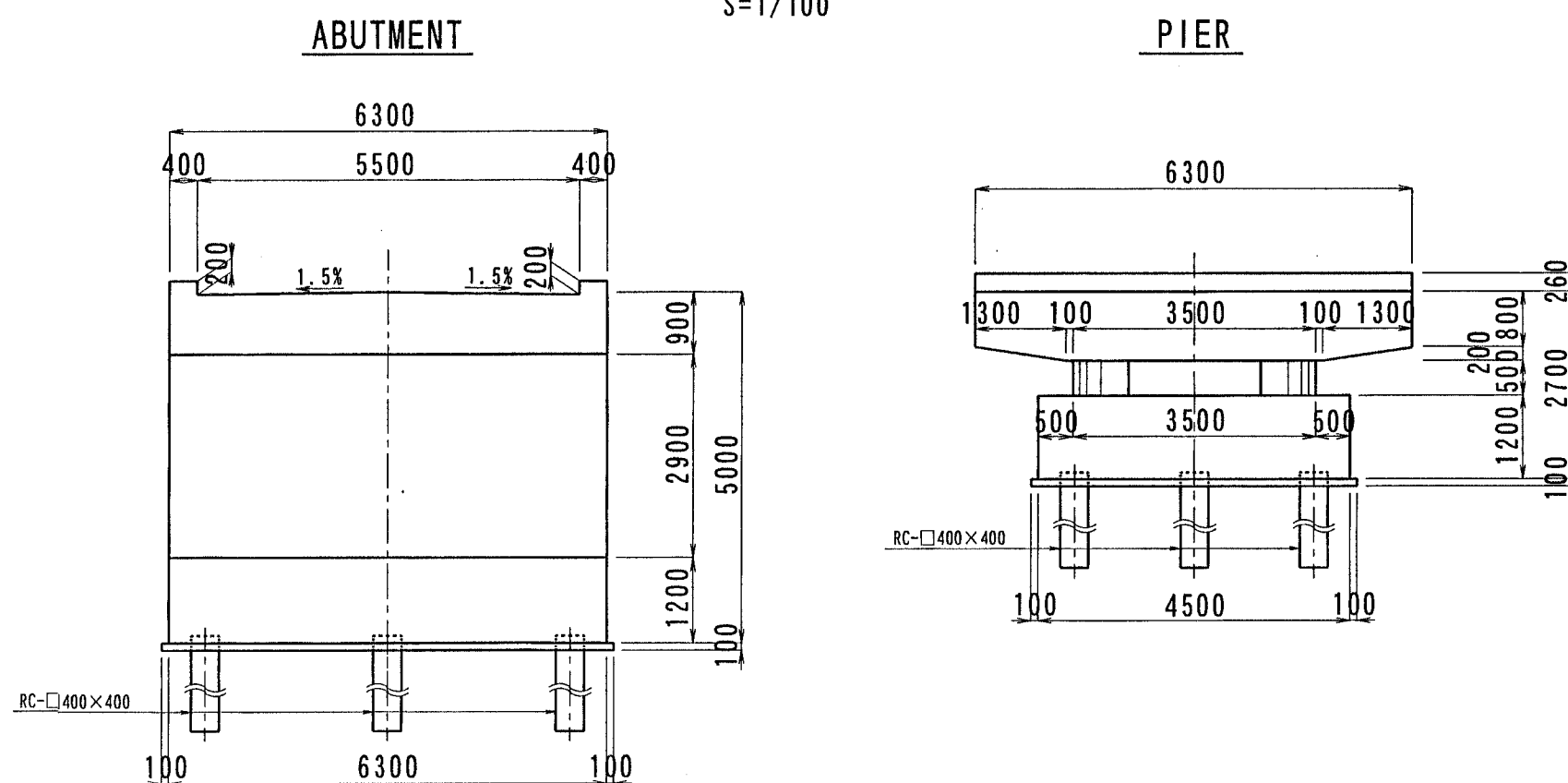
PLAN
S=1/400



CROSS SECTION FOR PC GIRDER
S=1/100



FRONT VIEW
S=1/100



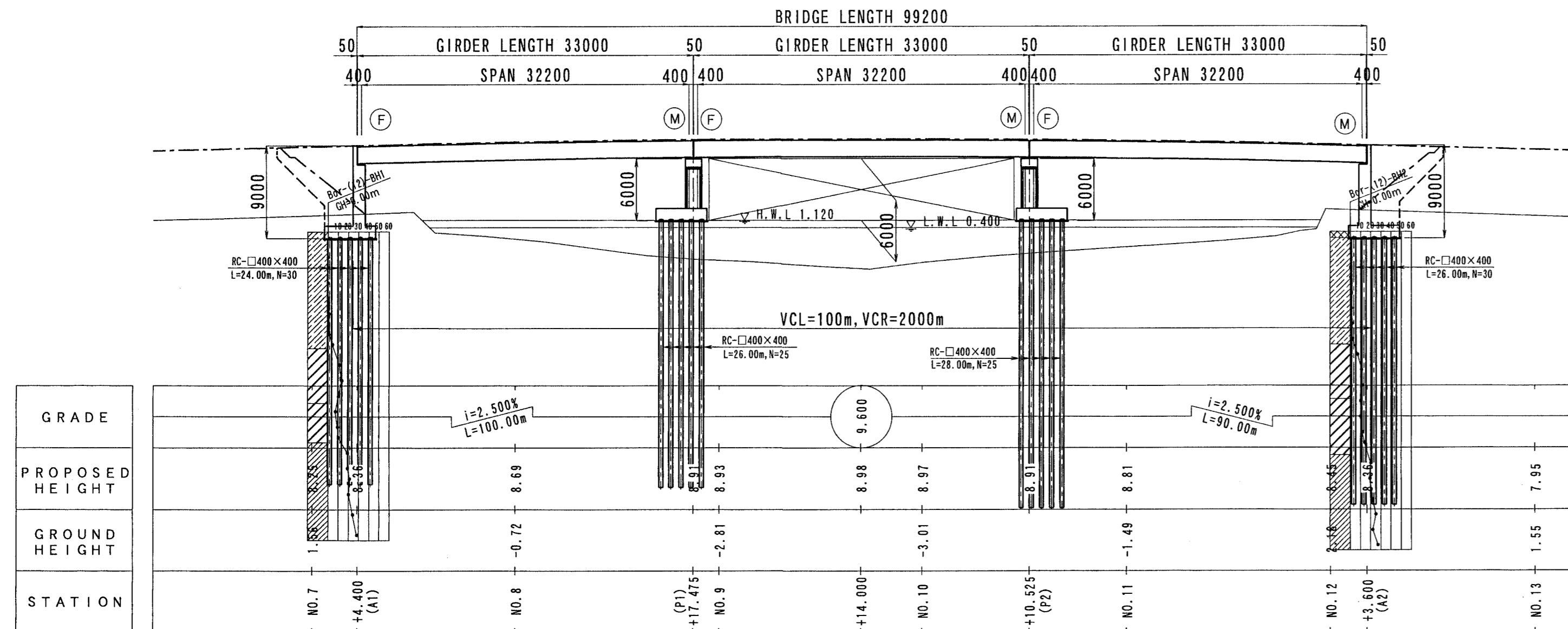
DESIGN CRITERIA

General Condition	
Design Speed	V=40km/h
Bridge Length(Span Length)	43.80m(12.20m+18.30m+12.20m)
Clearance(H,B)	2.5m×12.0m
Longitudinal Gradient	2.5%max
Cross-fall of Carriage way	1.50%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment Reinforced Concrete Pier Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40×40cm
Material Strength	
Super Structure Type	Girder $\sigma 28=400\text{kgf/cm}^2$ Cross Beam $\sigma 28=300\text{kgf/cm}^2$ Slab $\sigma 28=300\text{kgf/cm}^2$
Surface	Asphalt 5cm Curb, Wall $\sigma 28=300\text{kgf/cm}^2$
Sub Structure Type	$\sigma 28=200\text{kgf/cm}^2$
Reinforcing Steel	SD295 ($\rho_y=30\text{kg/mm}^2$)

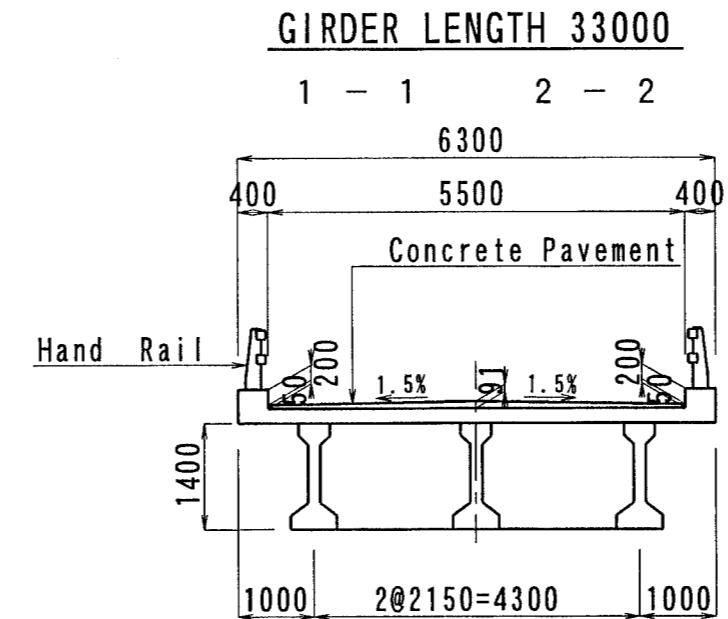
BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA		
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Drawing Title	1/400, 1/100	
Br. No. (8) Huynh Huu Nghia Bridge (General View of the Bridge)		

Br. No. (12) Long My Bridge
(General View of the Bridge)

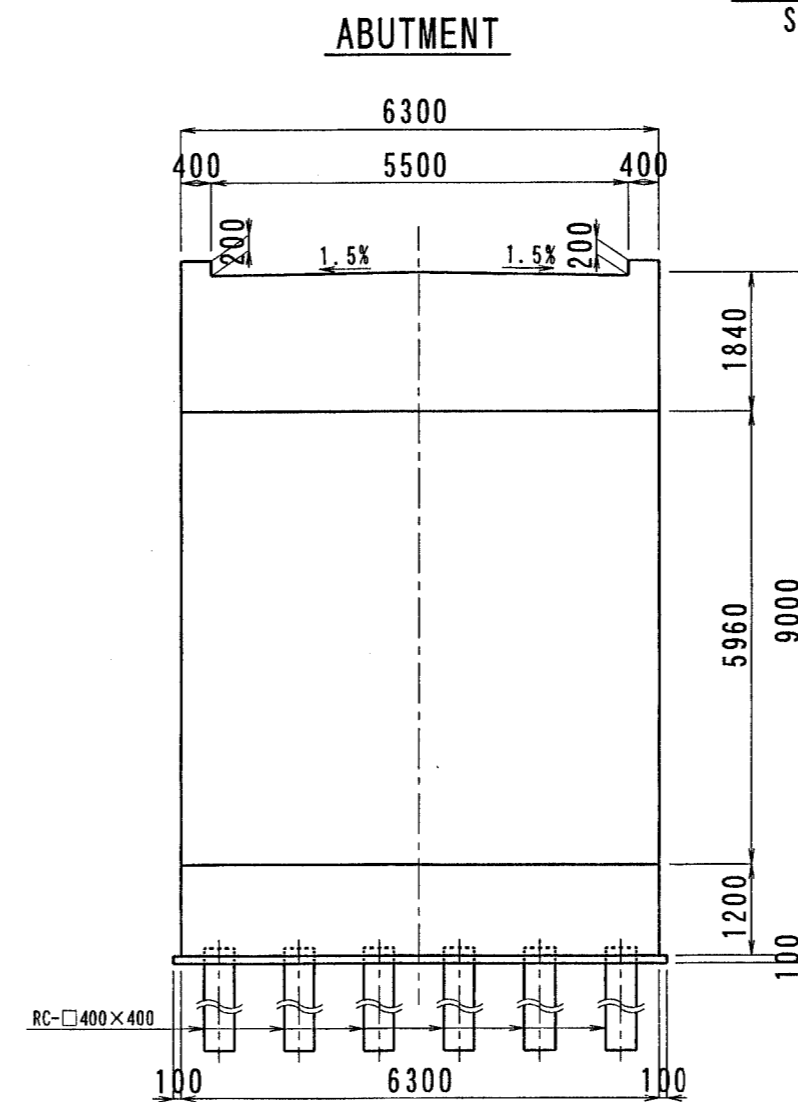
PROFILE
S=1/400



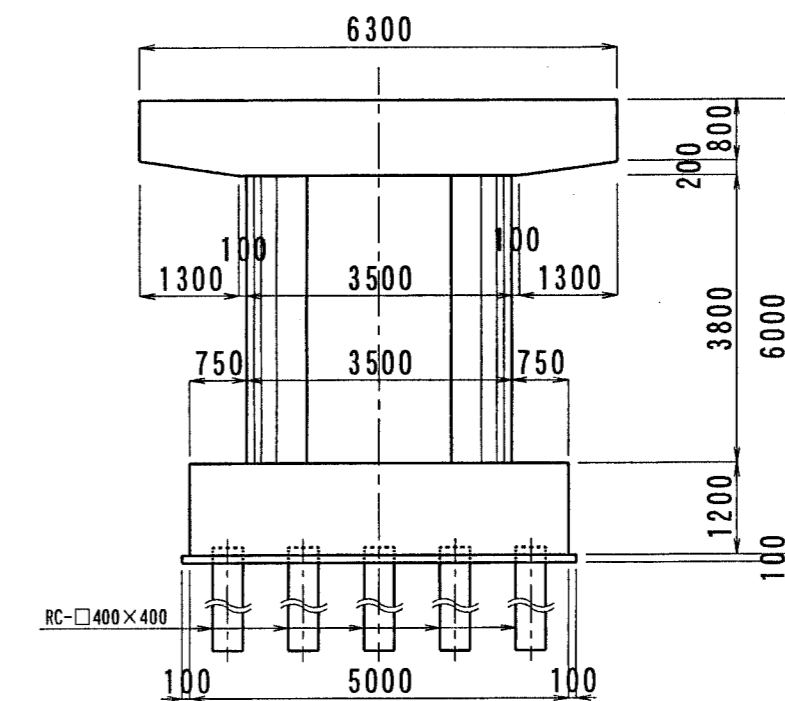
CROSS SECTION FOR PC GIRDER
S=1/100



FRONT VIEW
S=1/100

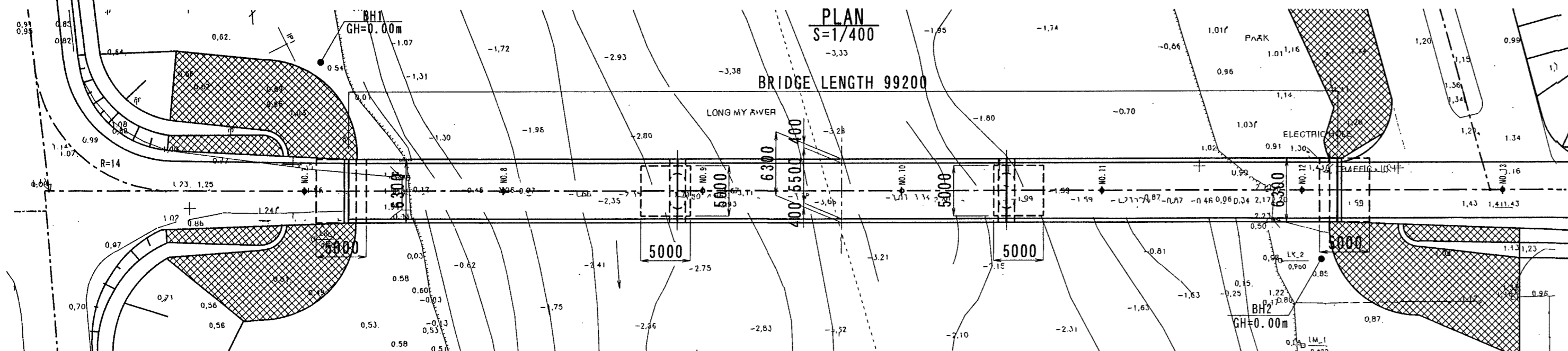


PIER



DESIGN CRITERIA

General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	99.20m (32.20m+32.20m+32.20m)
Clearance (H, B)	6.0m x 30.0m
Longitudinal Gradient	2.5% max
Cross-fall of Carriage way	1.5%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment: Reinforced Concrete Pier: Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm
Material Strength	
Super Structure Type	Girder: $\sigma 28=400\text{kgf/cm}^2$ Cross Beam: $\sigma 28=300\text{kgf/cm}^2$ Slab: $\sigma 28=300\text{kgf/cm}^2$
Surface	Asphalt: 5cm Curb, Wall: $\sigma 28=300\text{kgf/cm}^2$
Sub Structure Type	$\sigma 28=200\text{kgf/cm}^2$
Reinforcing Steel	SD295 ($p_y=30\text{kg/mm}^2$)



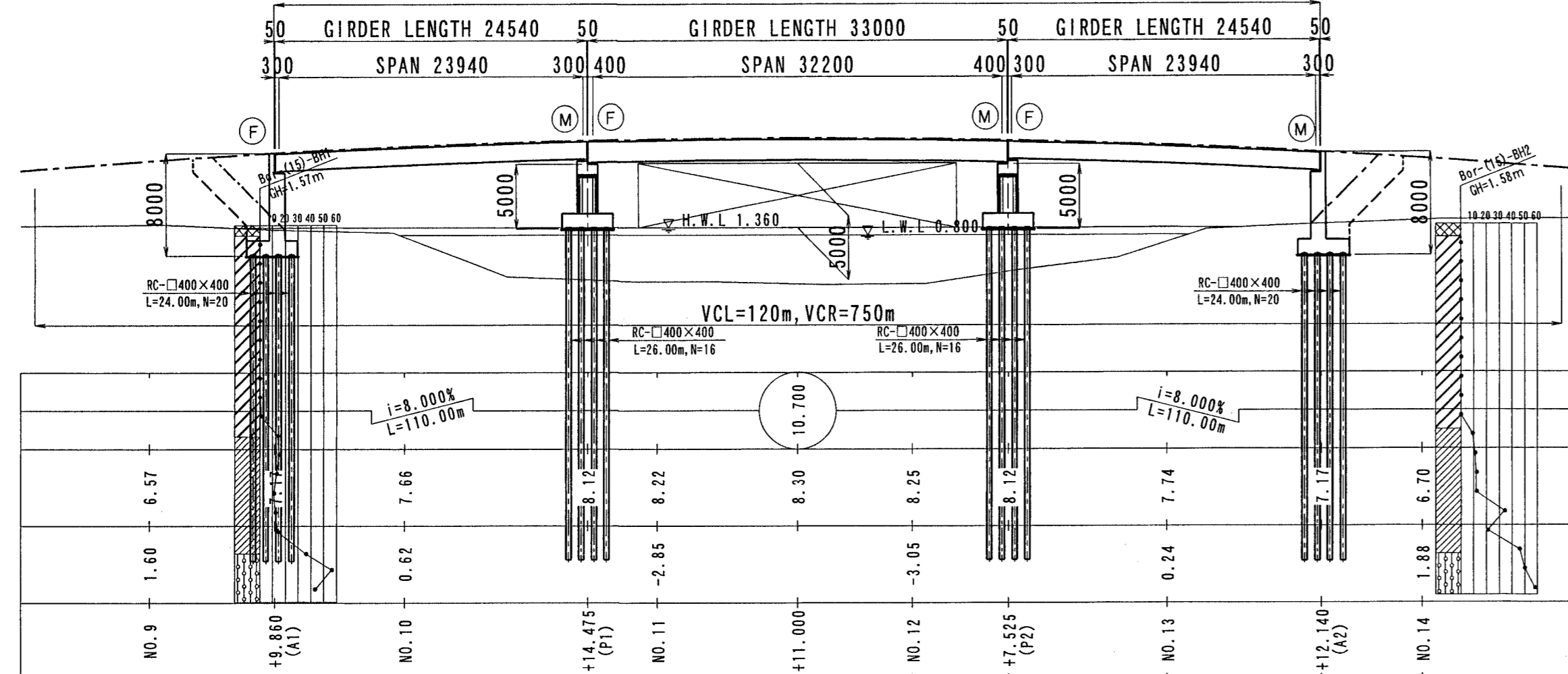
BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA		
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Br. No. (12) Long My Bridge (General View of the Bridge)	1/400, 1/100	

Br. No. (15) Vam Sang Thi Doi Bridge
(General View of the Bridge)

PROFILE

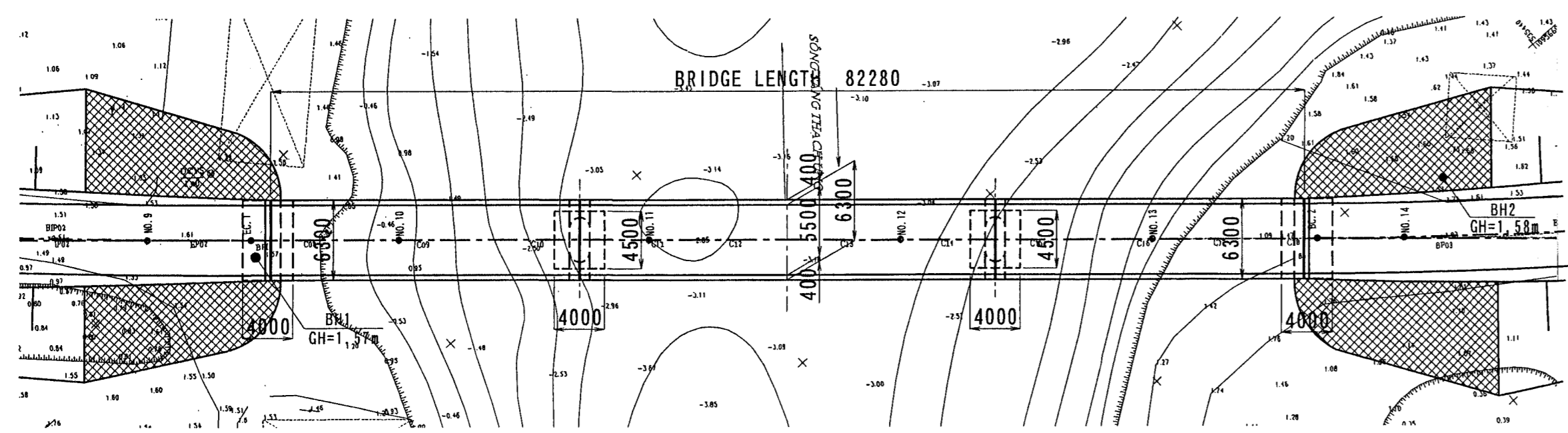
S=1/400

BRIDGE LENGTH 82280



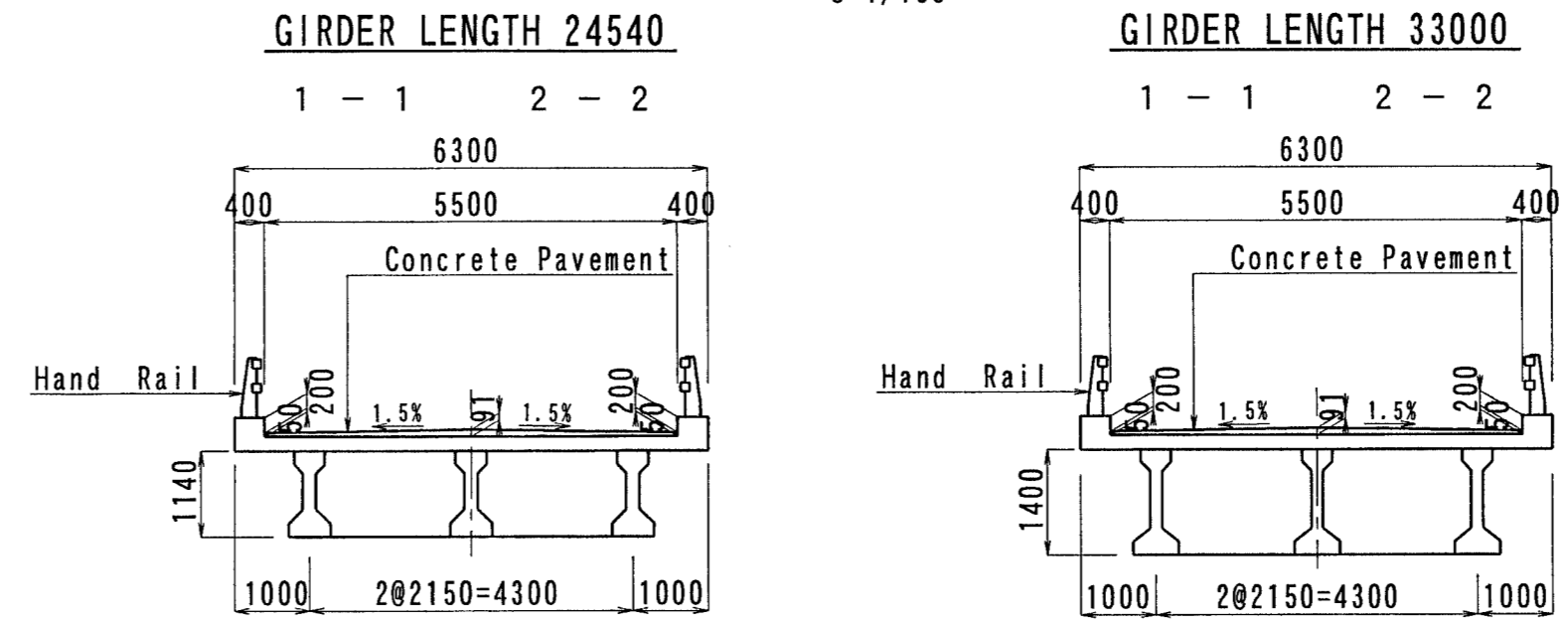
PLAN

S=1/400

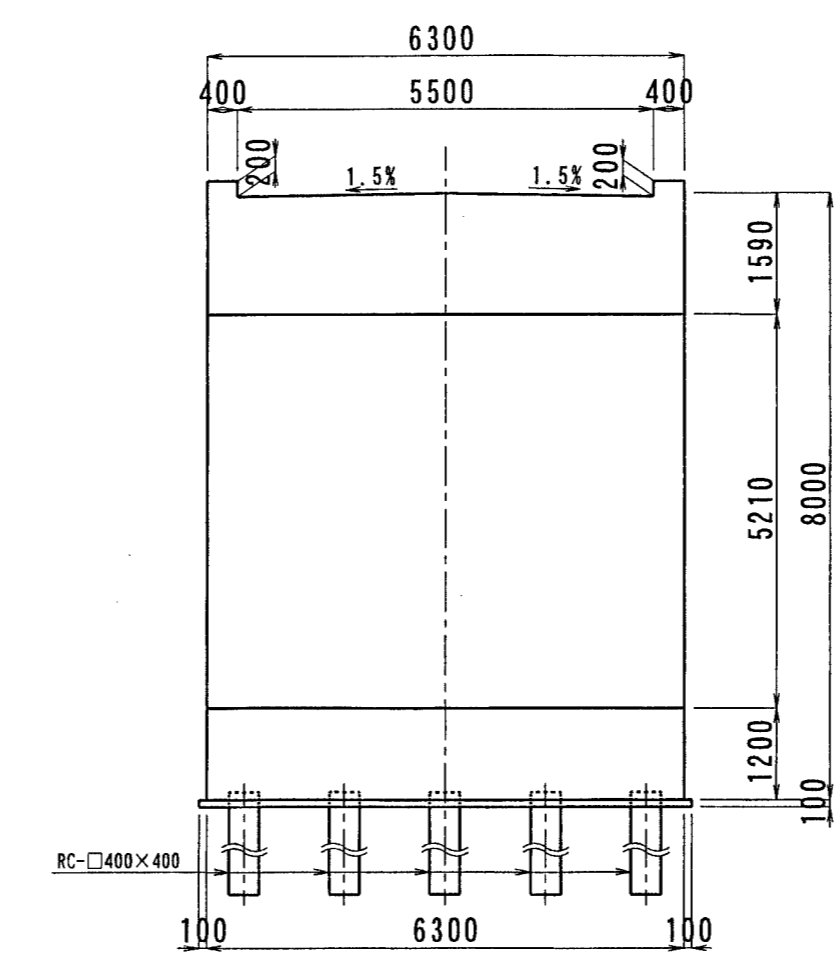


CROSS SECTION FOR PC GIRDER

S=1/100



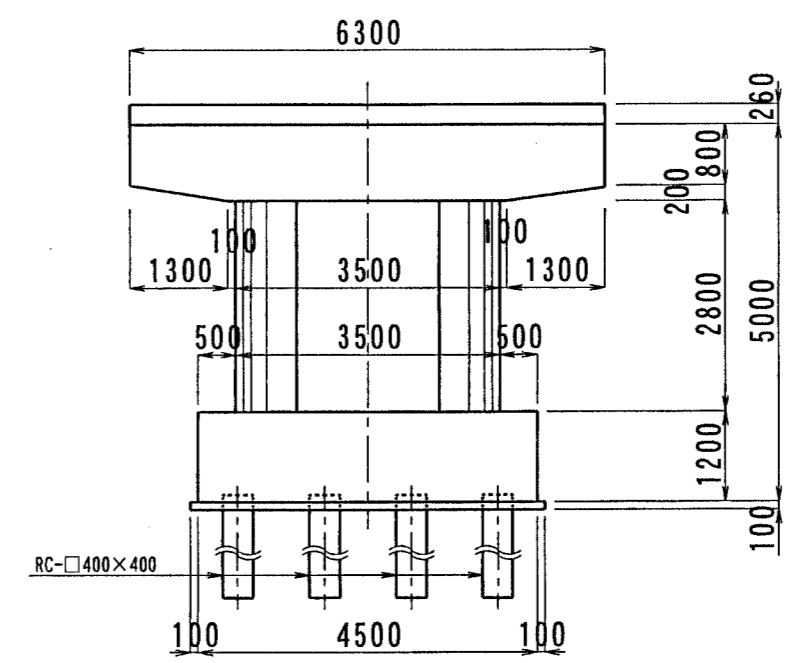
ABUTMENT



FRONT VIEW

S=1/100

PIER



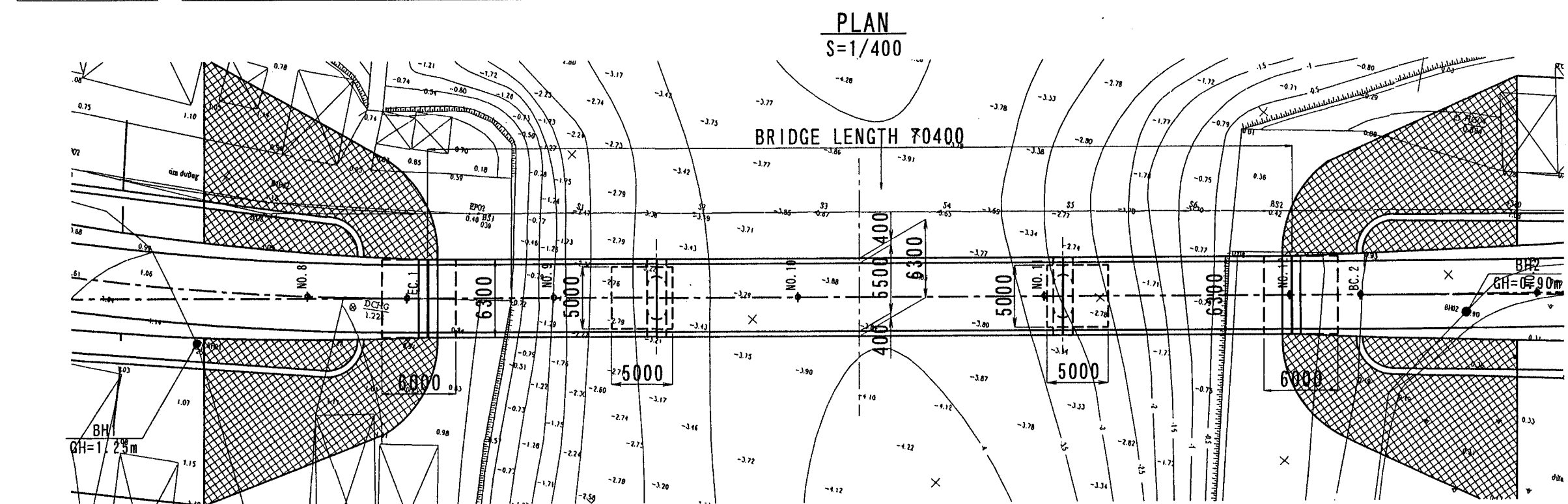
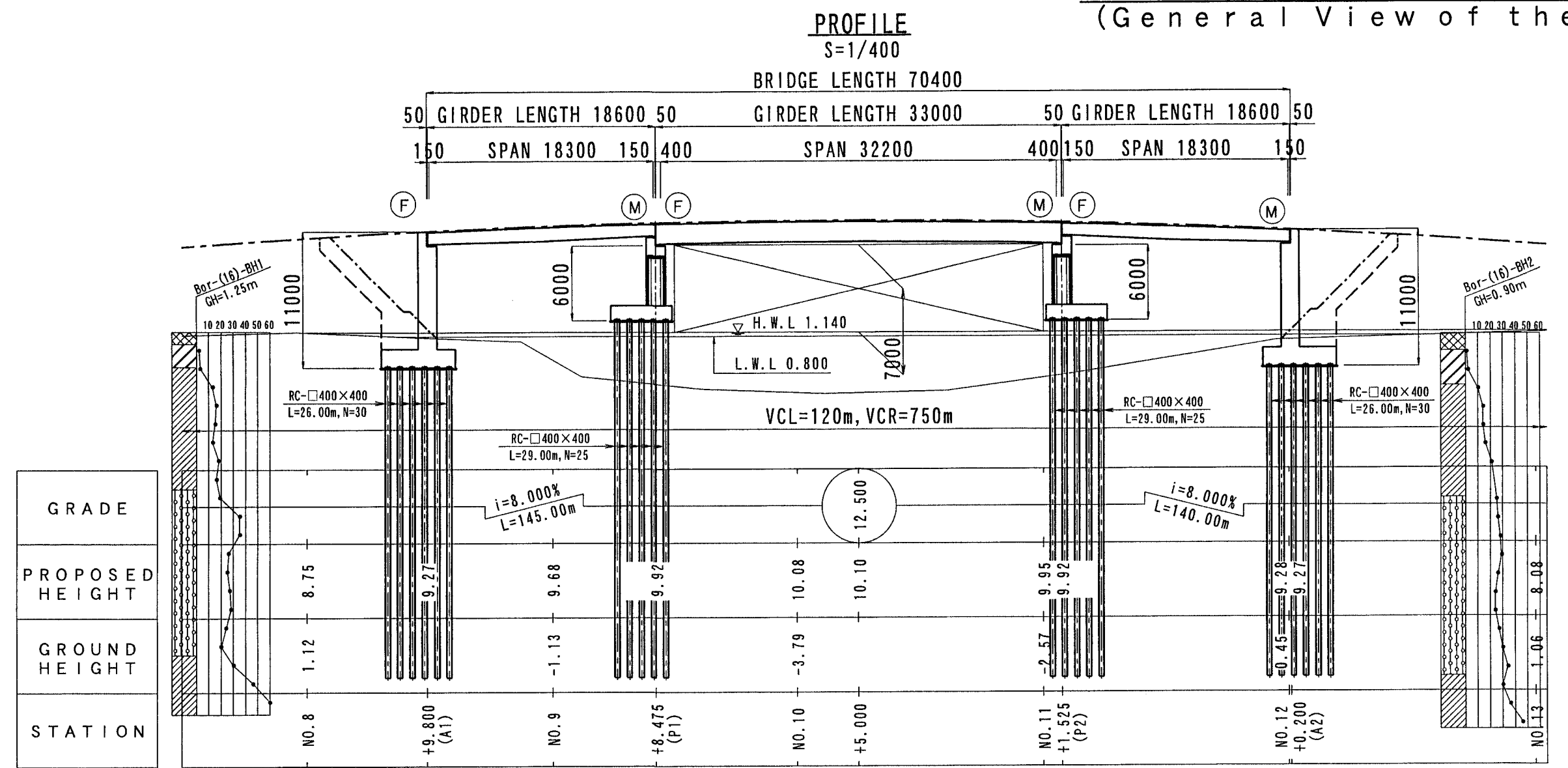
DESIGN CRITERIA

General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	82.28m(23.94m+32.20m+23.94m)
Clearance (H, B)	5.0m×25.0m
Longitudinal Gradient	8.0‰max
Cross-fall of Carriage way	1.50%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment Reinforced Concrete Pier Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40×40cm
Material Strength	
Super Structure Type	Girder $\sigma 28=400\text{kgf/cm}^2$ Cross Beam $\sigma 28=300\text{kgf/cm}^2$ Slab $\sigma 28=300\text{kgf/cm}^2$
Surface	Asphalt 5cm Curb, Wall $\sigma 28=300\text{kgf/cm}^2$
Sub Structure Type	$\sigma 28=200\text{kgf/cm}^2$
Reinforcing Steel	SD295($\sigma_y=30\text{kg/mm}^2$)

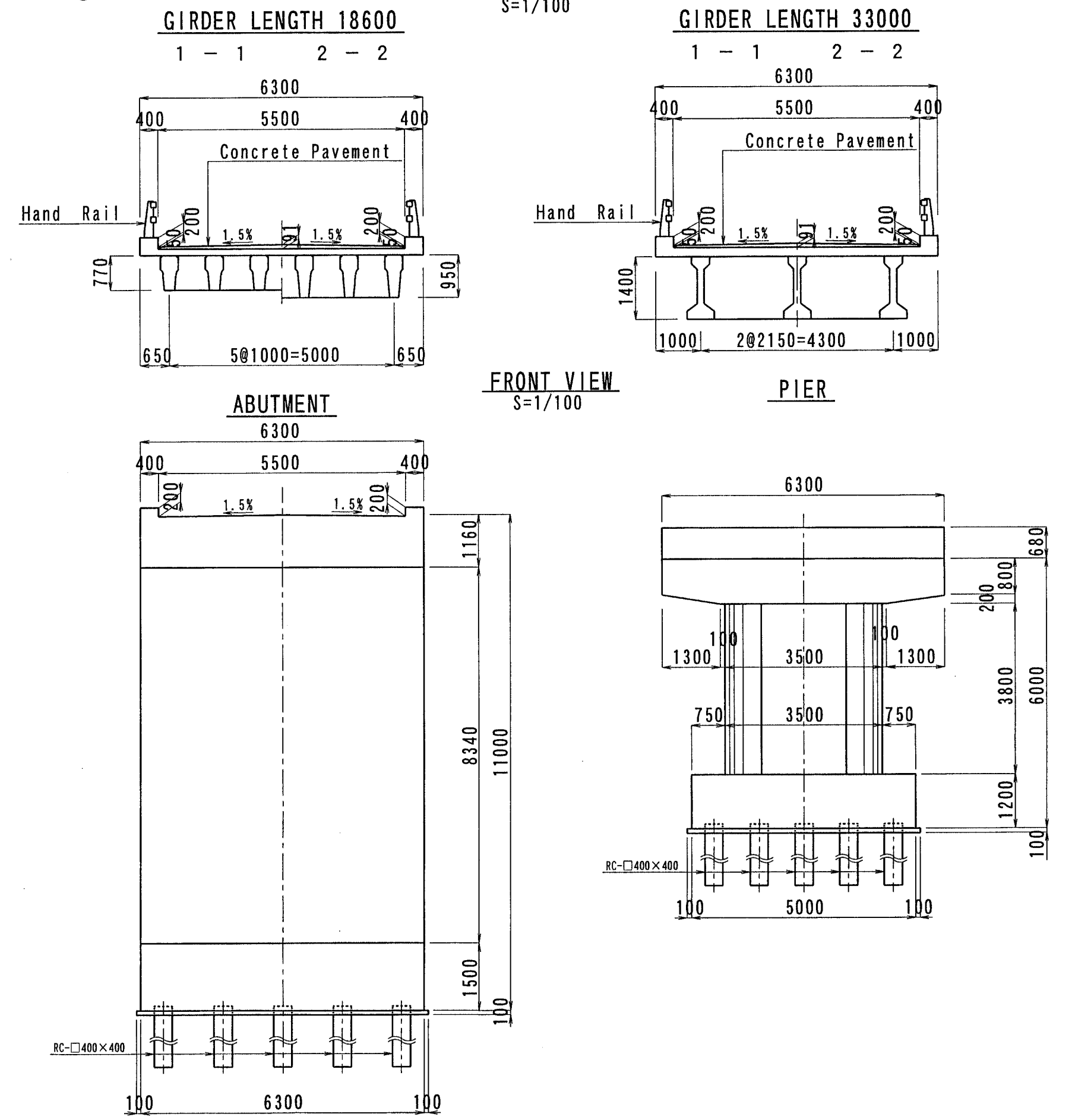
BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA

Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Drawing Title	1/400, 1/100	
Br. No. (15) Vam Sang Thi Doi Bridge (General View of the Bridge)		

Br. No. (16) Ha Giang Bridge
(General View of the Bridge)



CROSS SECTION FOR PC GIRDER
S=1/100



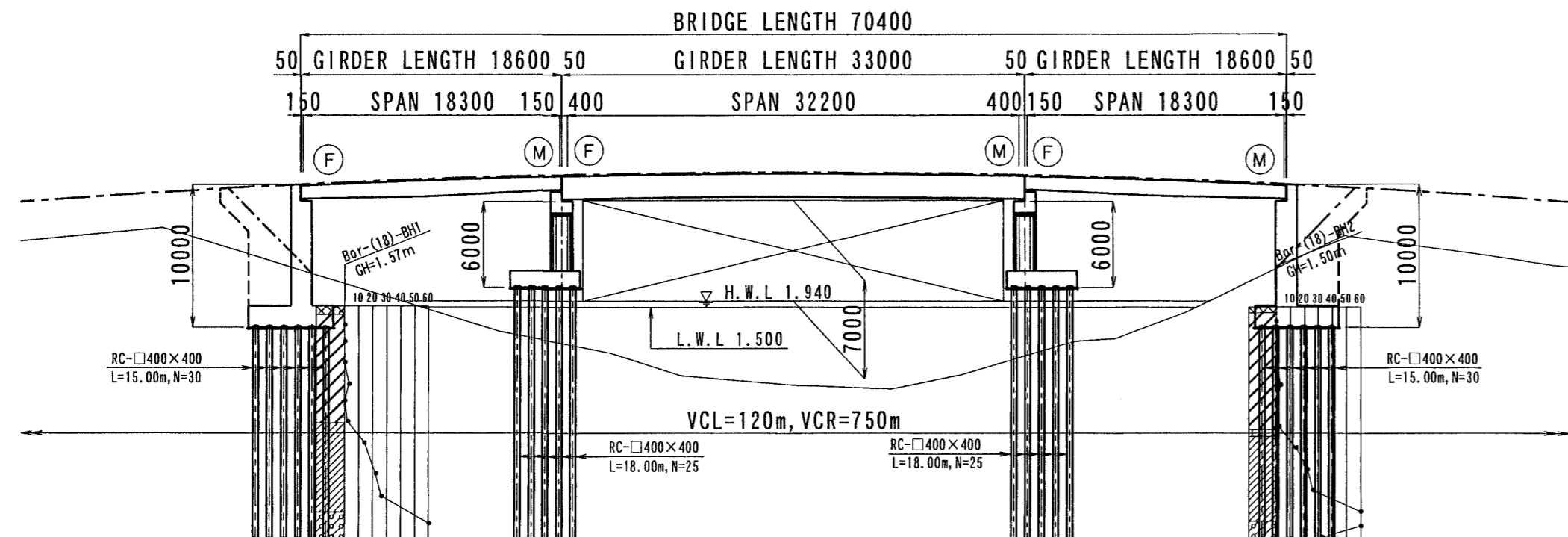
DESIGN CRITERIA

General Condition	
Design Speed	V=40km/h
Bridge Length(Span Length)	70.40m(18.30m+32.20m+18.30m)
Clearance(H, B)	7.0m×30.0m
Longitudinal Gradient	8.0%max
Cross-fall of Carriage way	1.50%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment Reinforced Concrete Pier Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40×40cm
Material Strength	
Super Structure Type	Girder $\sigma_{28}=400\text{kgf/cm}^2$ Cross Beam $\sigma_{28}=300\text{kgf/cm}^2$ Slab $\sigma_{28}=300\text{kgf/cm}^2$
Surface	Asphalt 5cm Curb, Wall $\sigma_{28}=300\text{kgf/cm}^2$
Sub Structure Type	$\sigma_{28}=200\text{kgf/cm}^2$
Reinforcing Steel	SD295($p_y=30\text{kg/mm}^2$)

BASIC DESIGN STUDY ON THE PROJECT FOR
CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA

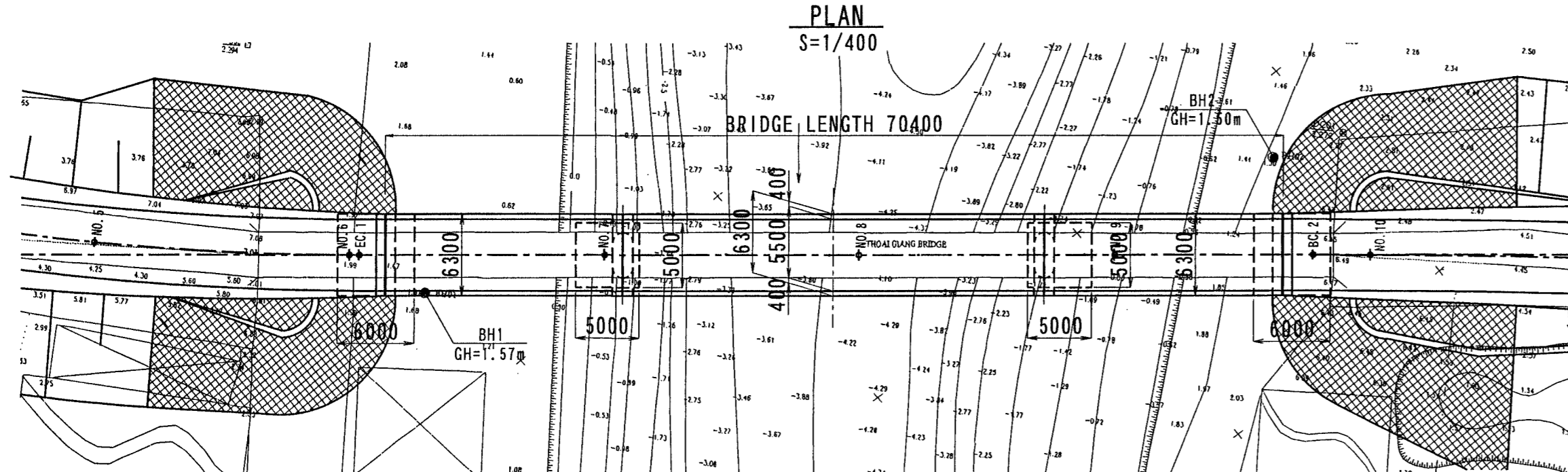
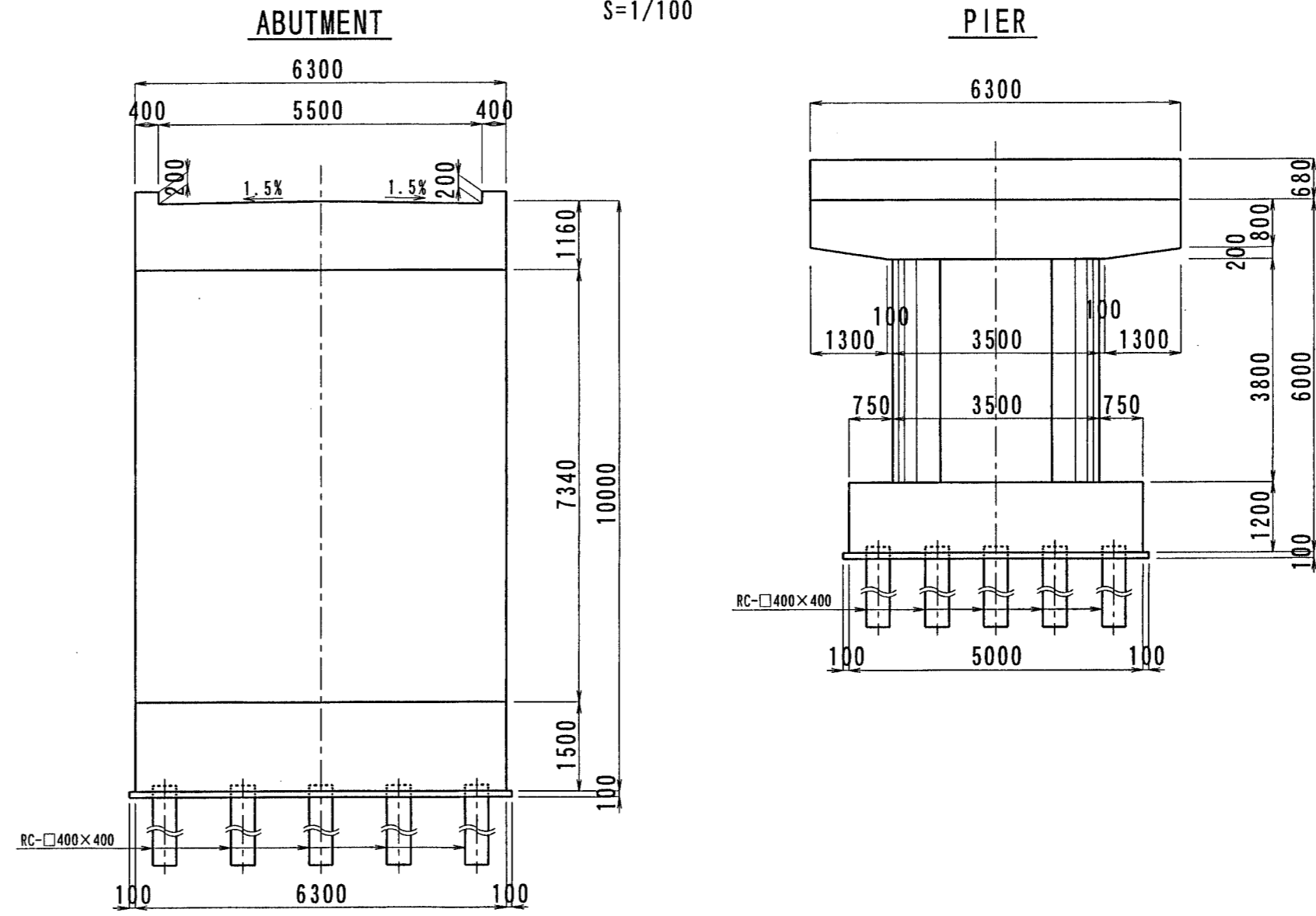
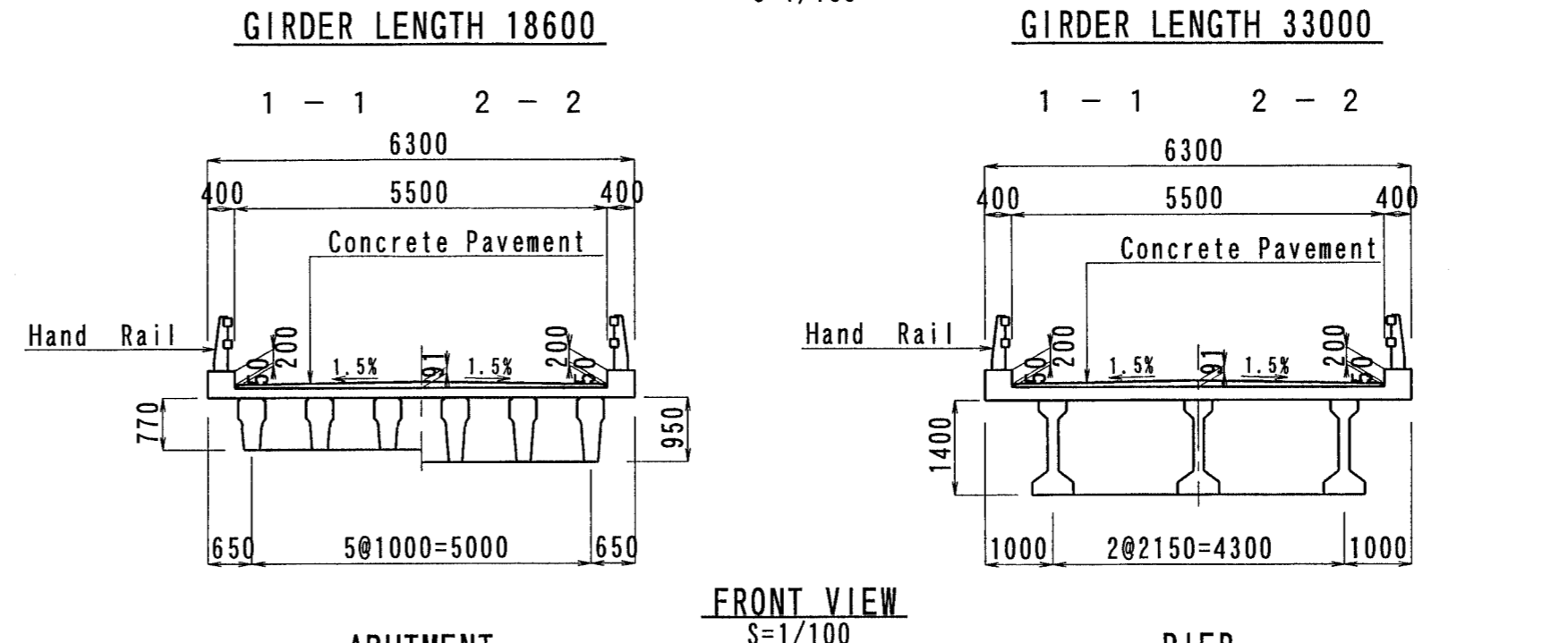
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Br. No. (16) Ha Giang Bridge (General View of the Bridge)	1/400, 1/100	

PROFILE
S=1/400
Br. No. (18) Thoai Giang Bridge
(General View of the Bridge)



GRADE																					
PROPOSED HEIGHT			9.94	10.07			10.68	10.72			10.90	10.90			10.72	10.58			10.07	9.72	
GROUND HEIGHT			4.95				-0.79				-4.10				-0.78					6.12	9.72
STATION			NO. 6	+2.800 (A1)			NO. 7	+1.475 (P1)			+18.000				+14.525 (P2)				+13.200 (A2)		NO. 10

CROSS SECTION FOR PC GIRDER
S=1/100



DESIGN CRITERIA

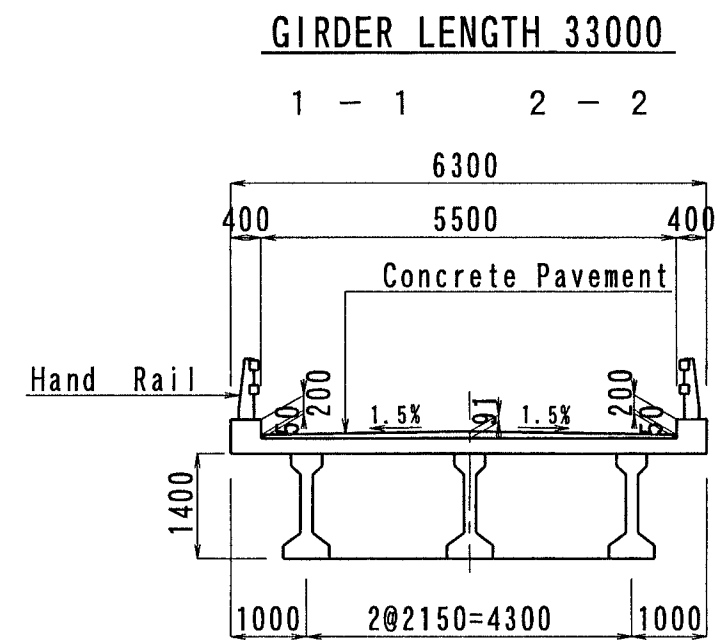
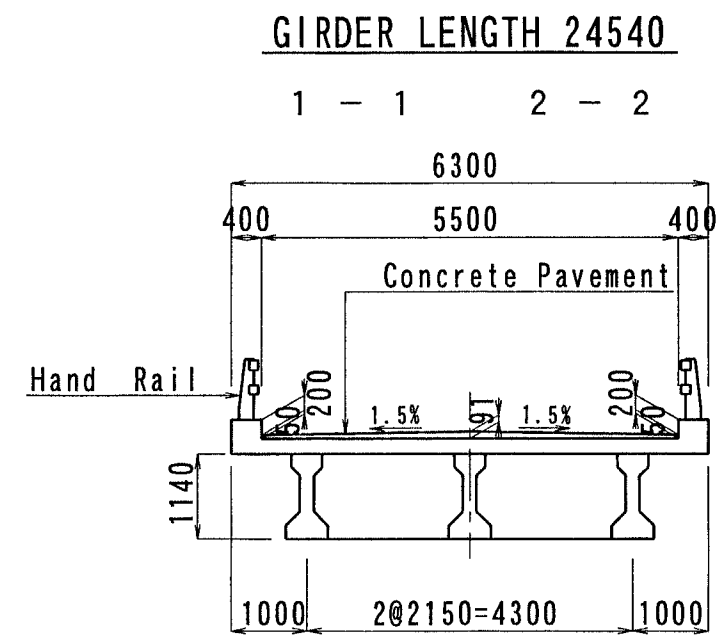
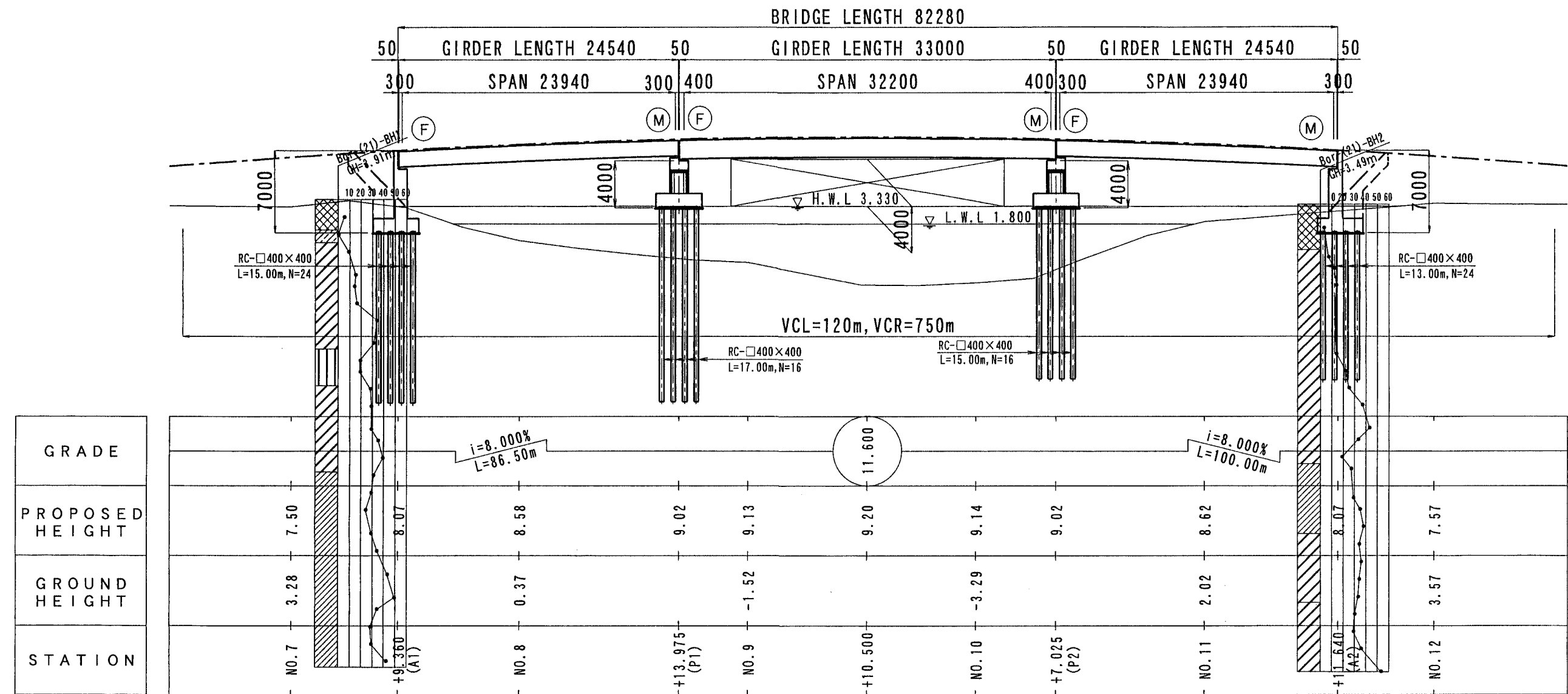
General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	70.40m (18.30m+32.20m+18.30m)
Clearance (H, B)	7.0m x 30.0m
Longitudinal Gradient	8.0% max
Cross-fall of Carriage way	1.50%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment: Reinforced Concrete Pier: Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm
Material Strength	
Super Structure Type	Girder: $\sigma 28=400\text{kgf/cm}^2$ Cross Beam: $\sigma 28=300\text{kgf/cm}^2$ Slab: $\sigma 28=300\text{kgf/cm}^2$
Surface	Asphalt: 5cm Curb, Wall: $\sigma 28=300\text{kgf/cm}^2$ $\sigma 28=200\text{kgf/cm}^2$
Sub Structure Type	Reinforcing Steel: SD295 ($\rho_y=30\text{kg/mm}^2$)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA		
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International		
Drawing Title	Scale	Drawing No.
Br. No. (18) Thoai Giang Bridge (General View of the Bridge)	1/400, 1/100	

PROFILE
S=1/400

Br. No. (21) Tram Chim Bridge
(General View of the Bridge)

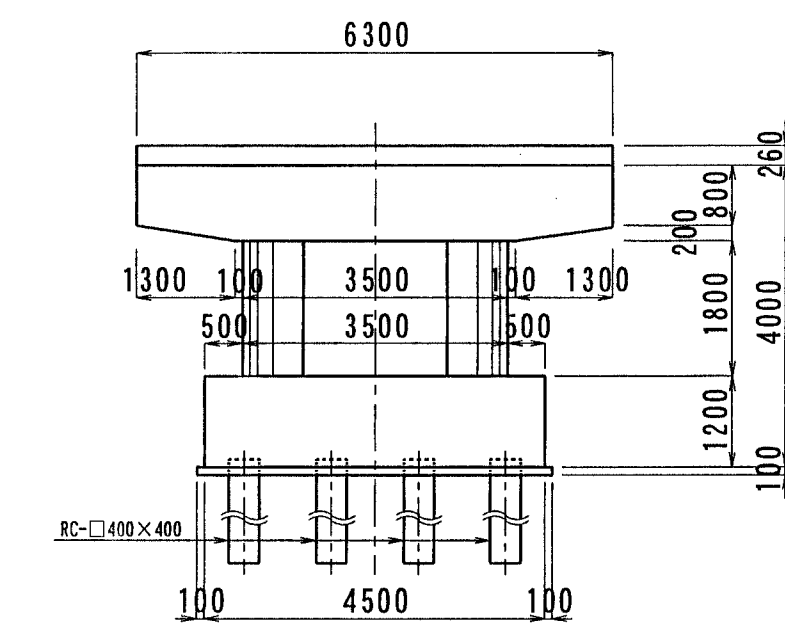
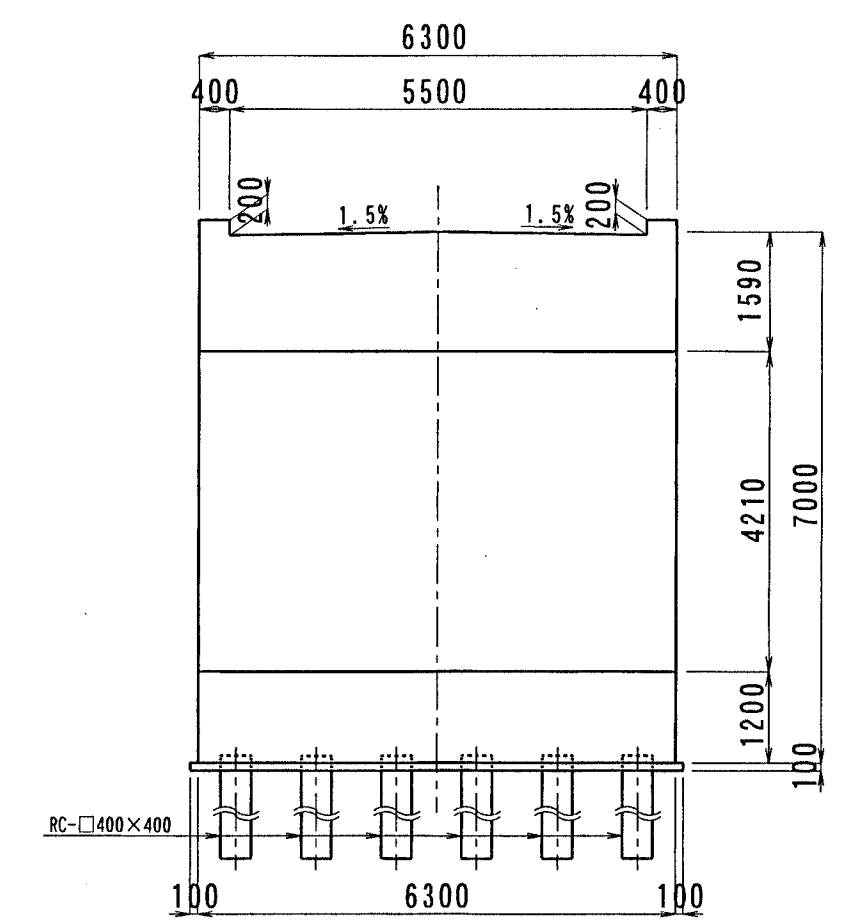
CROSS SECTION FOR PC GIRDER
S=1/100



ABUTMENT

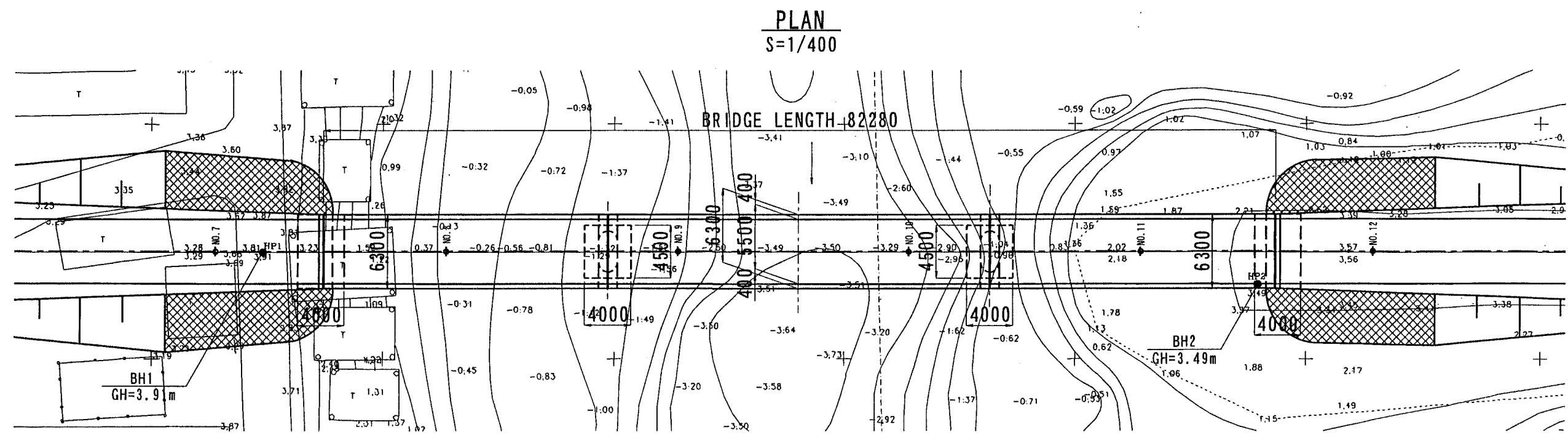
FRONT VIEW
S=1/100

PIER



DESIGN CRITERIA

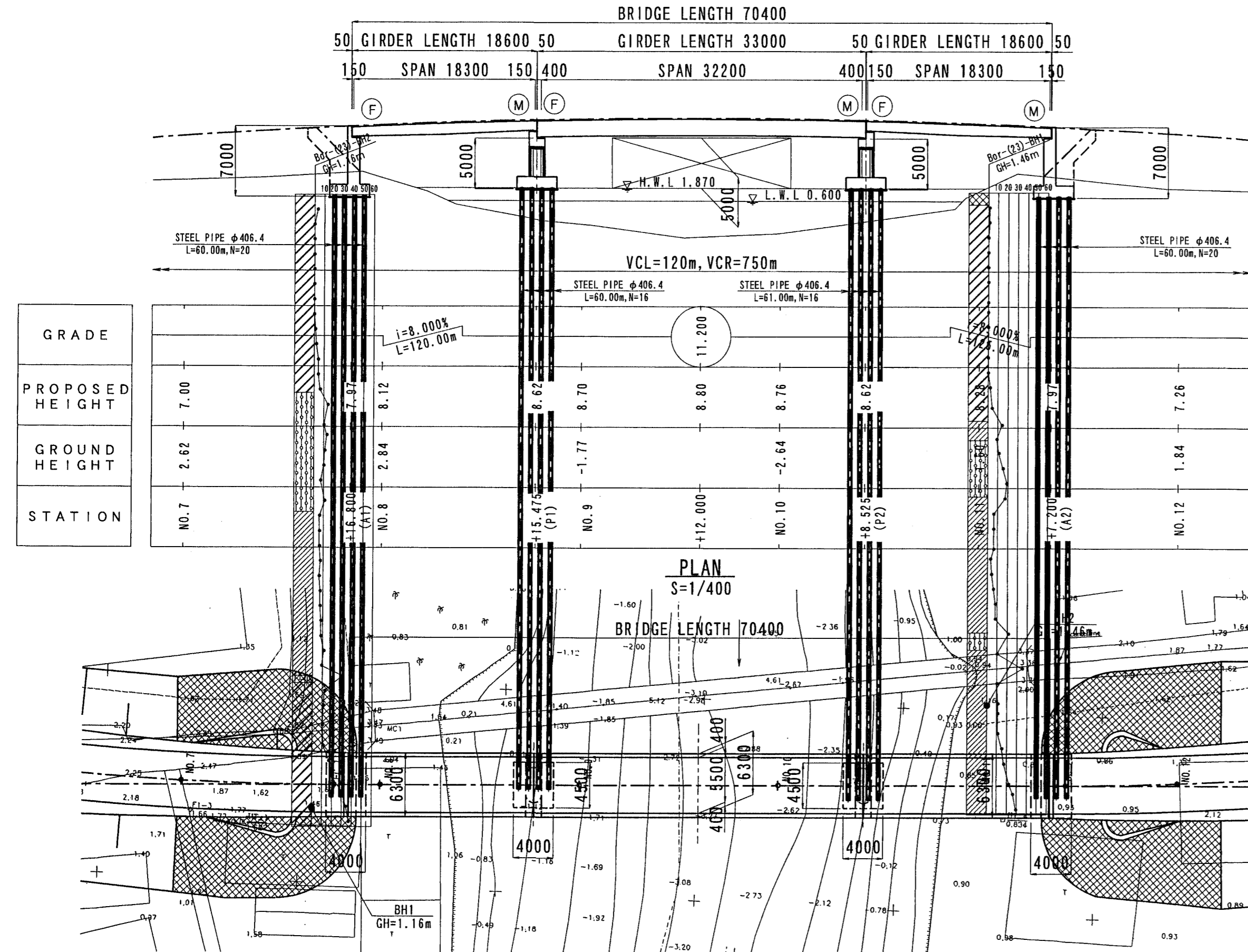
General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	82.28m (23.94m+32.20m+23.94m)
Clearance (H, B)	4.0m x 24.0m
Longitudinal Gradient	8.0% max
Cross-fall of Carriage way	1.5%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment Reinforced Concrete Pier Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm
Material Strength	
Super Structure Type	Girder $\sigma_{28}=400\text{kgf/cm}^2$ Cross Beam $\sigma_{28}=300\text{kgf/cm}^2$ Slab $\sigma_{28}=300\text{kgf/cm}^2$
Surface	Asphalt 5cm Curb, Wall $\sigma_{28}=300\text{kgf/cm}^2$
Sub Structure Type	$\sigma_{28}=200\text{kgf/cm}^2$
Reinforcing Steel	SD295 (py=30kg/mm ²)



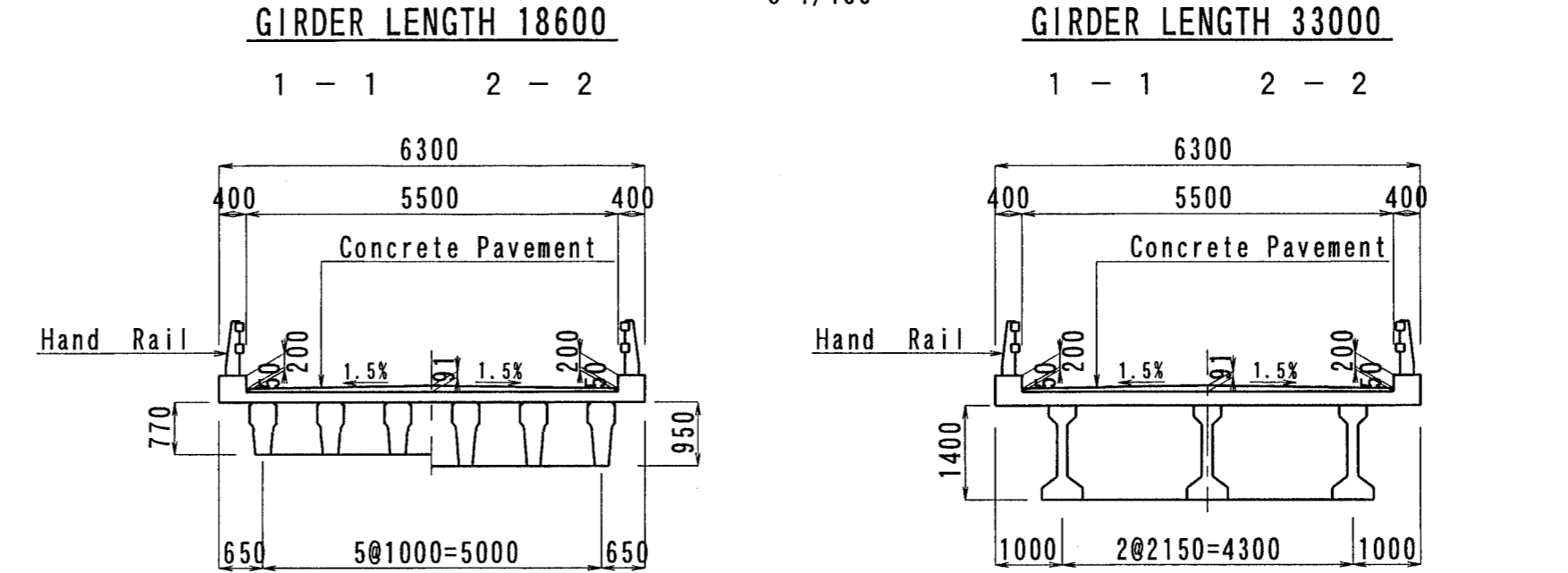
BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA		
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International		
Drawing Title	Scale	Drawing No.
Br. No. (21) Tram Chim Bridge (General View of the Bridge)	1/400, 1/100	

Br. No. (23) Hoa Tinh Bridge
(General View of the Bridge)

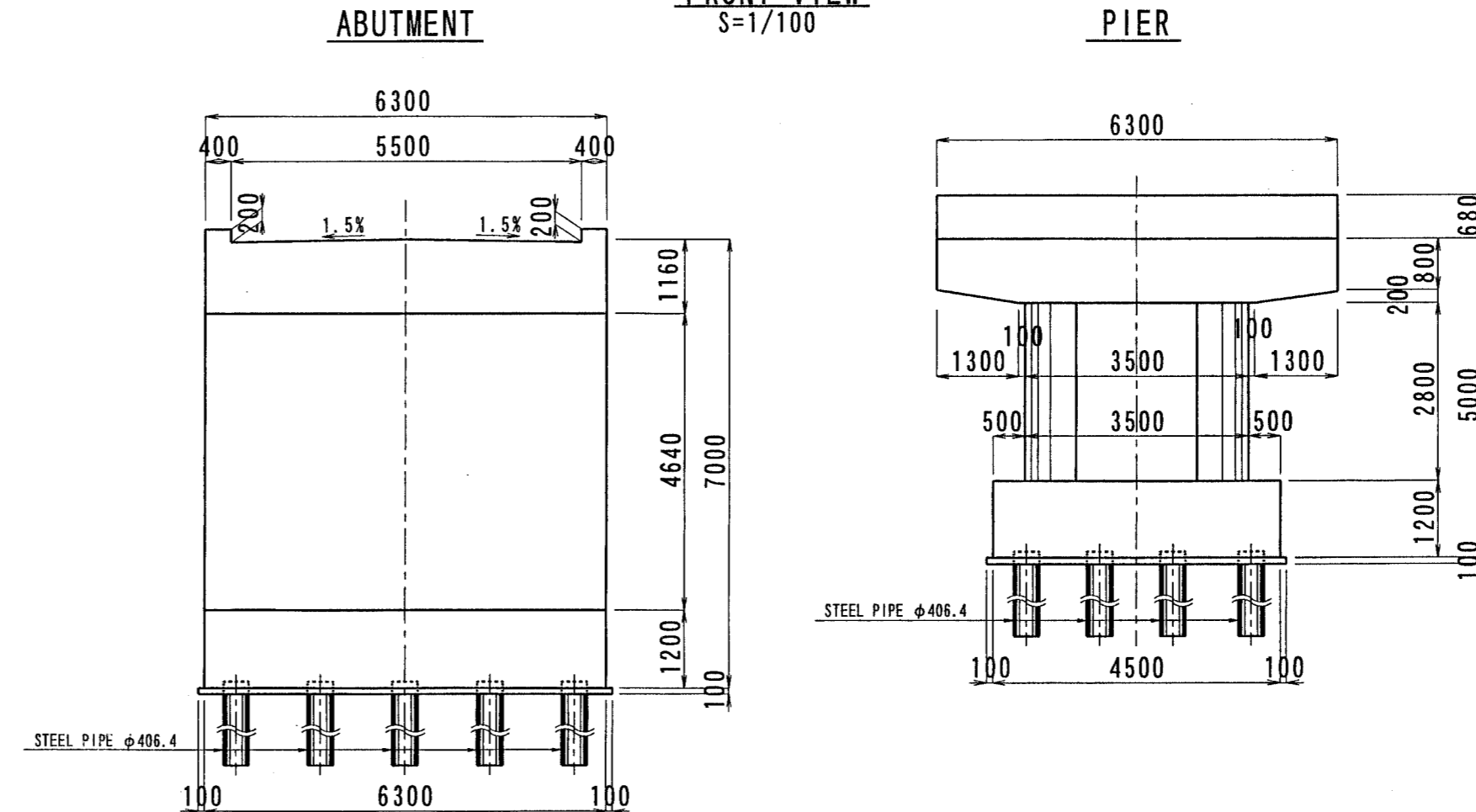
PROFILE
S=1/400



CROSS SECTION FOR PC GIRDER
S=1/100



FRONT VIEW
S=1/100



DESIGN CRITERIA

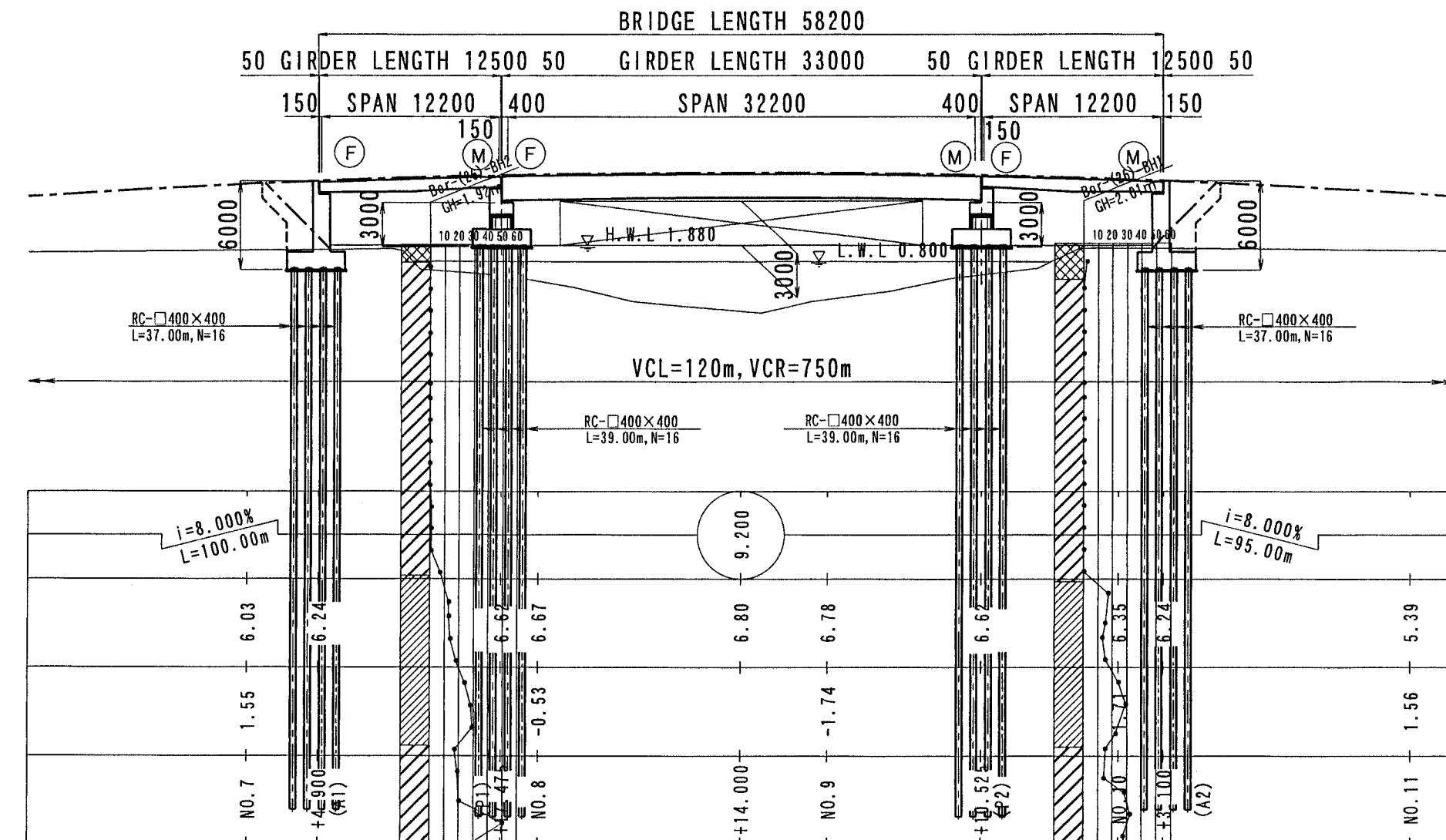
General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	70.40m (18.30m+32.20m+18.30m)
Clearance (H.B)	5.0m x 18.0m
Longitudinal Gradient	8.0% max
Cross-fall of Carriage way	1.50%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment: Reinforced Concrete Pier: Reinforced Concrete
Foundation Type	STEEL PIPE φ406.4mm
Material Strength	
Super Structure Type	Girder: σ ₂₈ =400kgf/cm ² Cross Beam: σ ₂₈ =300kgf/cm ² Slab: σ ₂₈ =300kgf/cm ²
Surface	Asphalt: 5cm Curb, Wall: σ ₂₈ =300kgf/cm ² σ ₂₈ =200kgf/cm ²
Sub Structure Type	σ ₂₈ =200kgf/cm ²
Reinforcing Steel	SD295 (p _y =30kg/mm ²)

**BASIC DESIGN STUDY ON THE PROJECT FOR
CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA**

Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International		
Drawing Title	Scale	Drawing No.
Br. No. (23) Hoa Tinh Bridge (General View of the Bridge)	1/400, 1/100	

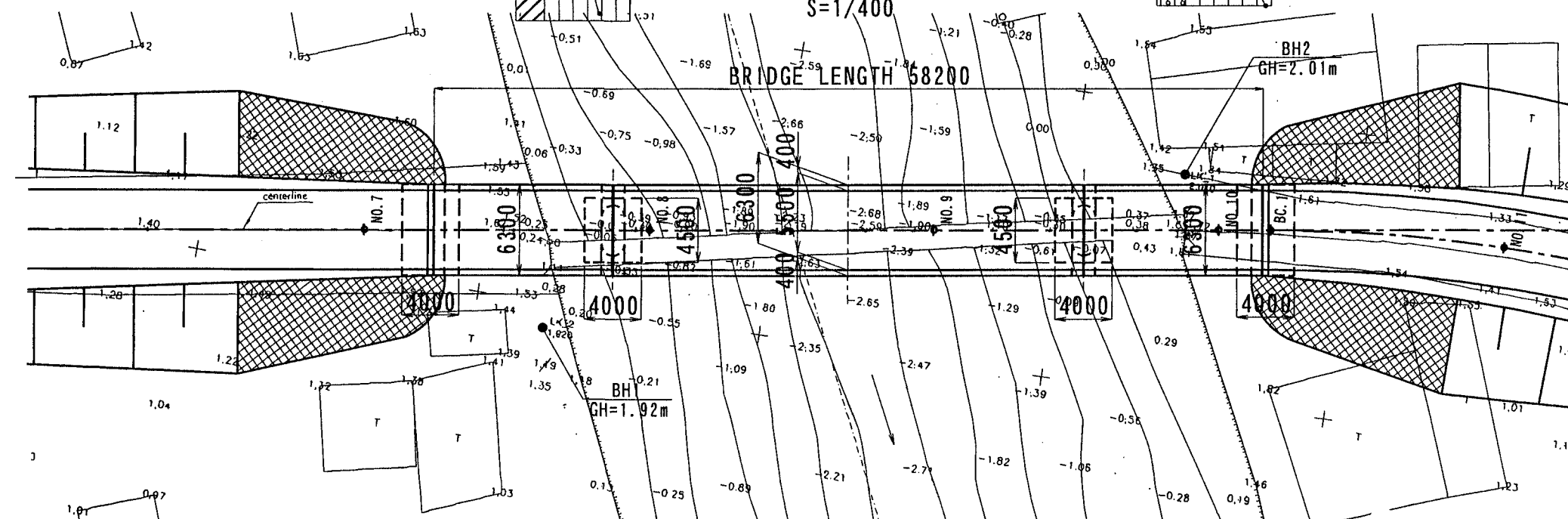
Br. No. (26) Tan An Bridge
(General View of the Bridge)

PROFILE
S=1/400

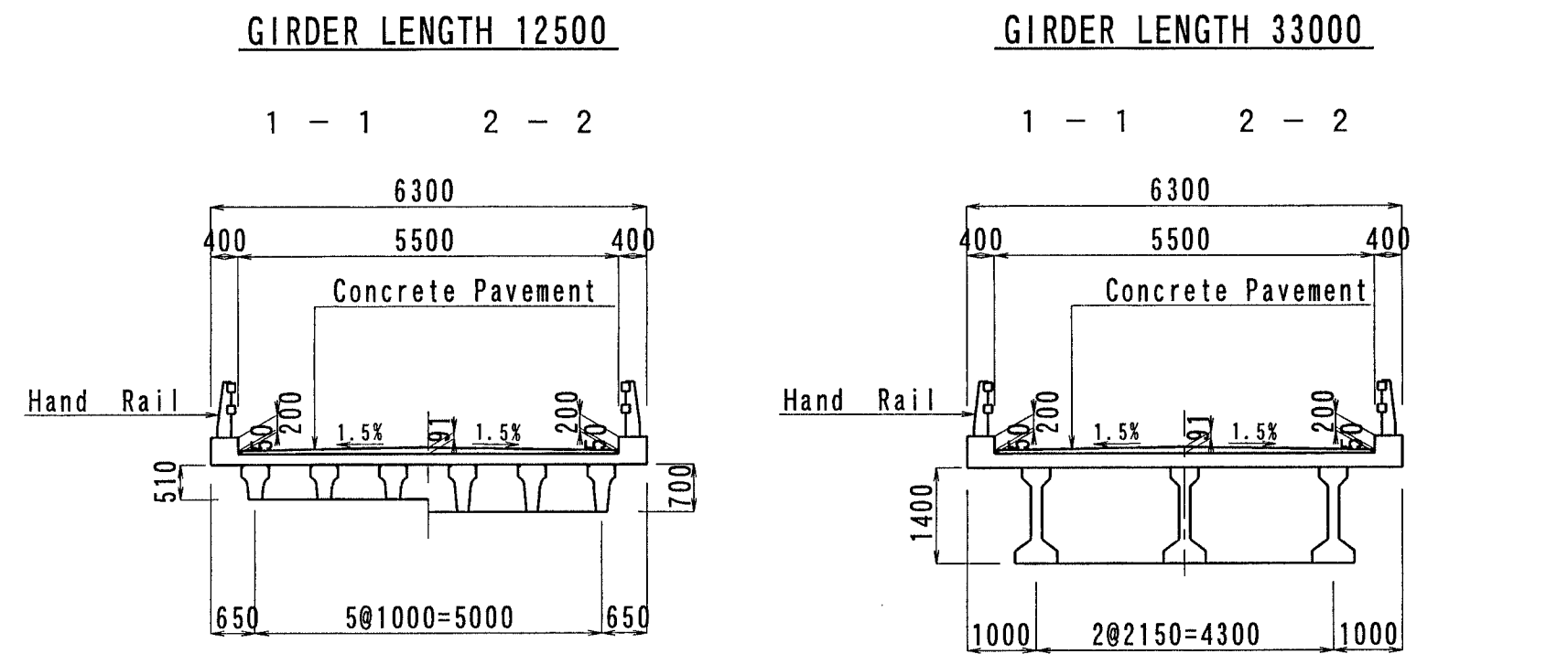


GRADE	$i=8.000\%$ $L=100.00m$
PROPOSED HEIGHT	6.03
GROUND HEIGHT	1.55
STATION	NO. 7

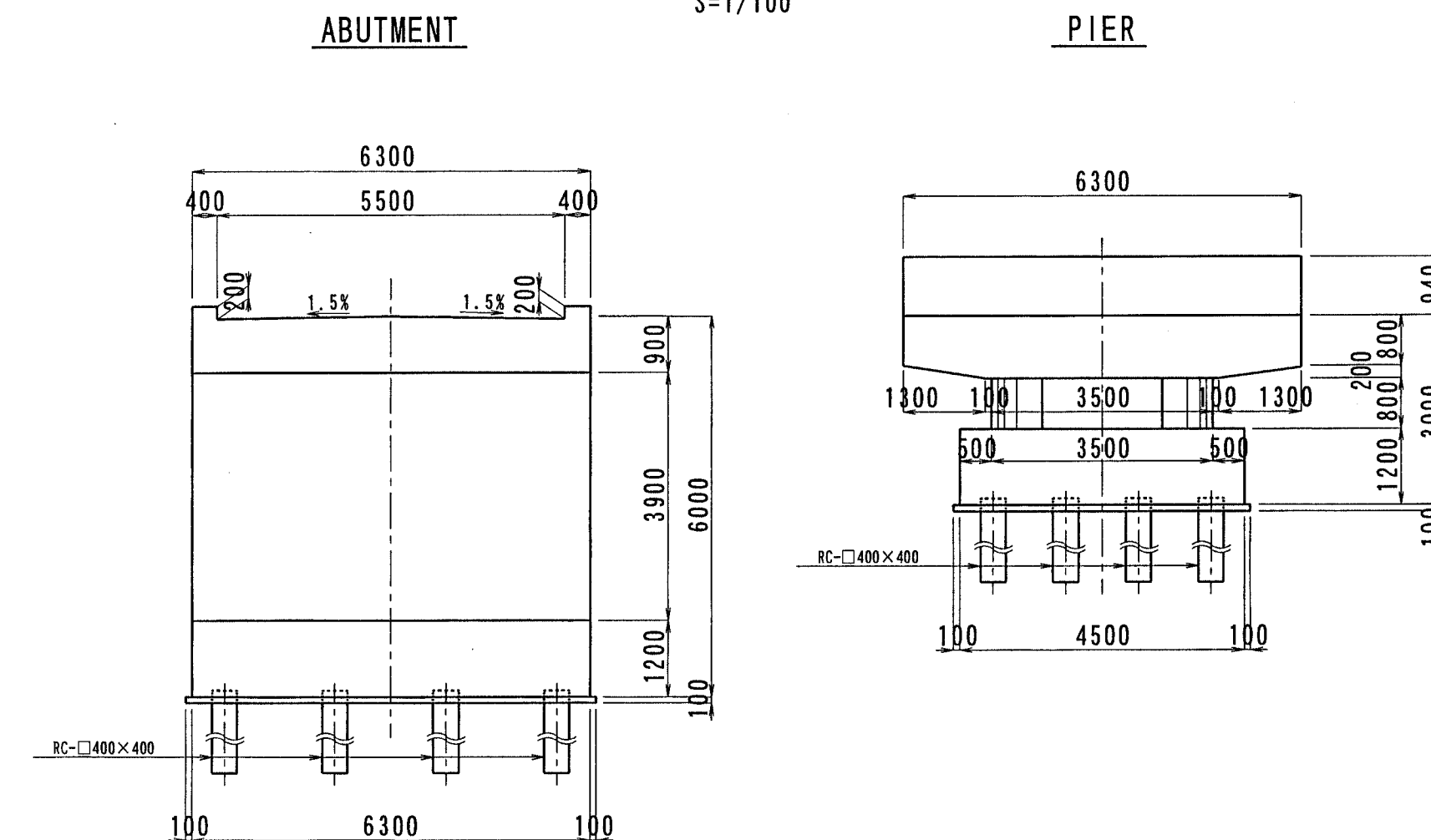
PLAN
S=1/400



CROSS SECTION FOR PC GIRDER
S=1/100



FRONT VIEW
S=1/100



DESIGN CRITERIA

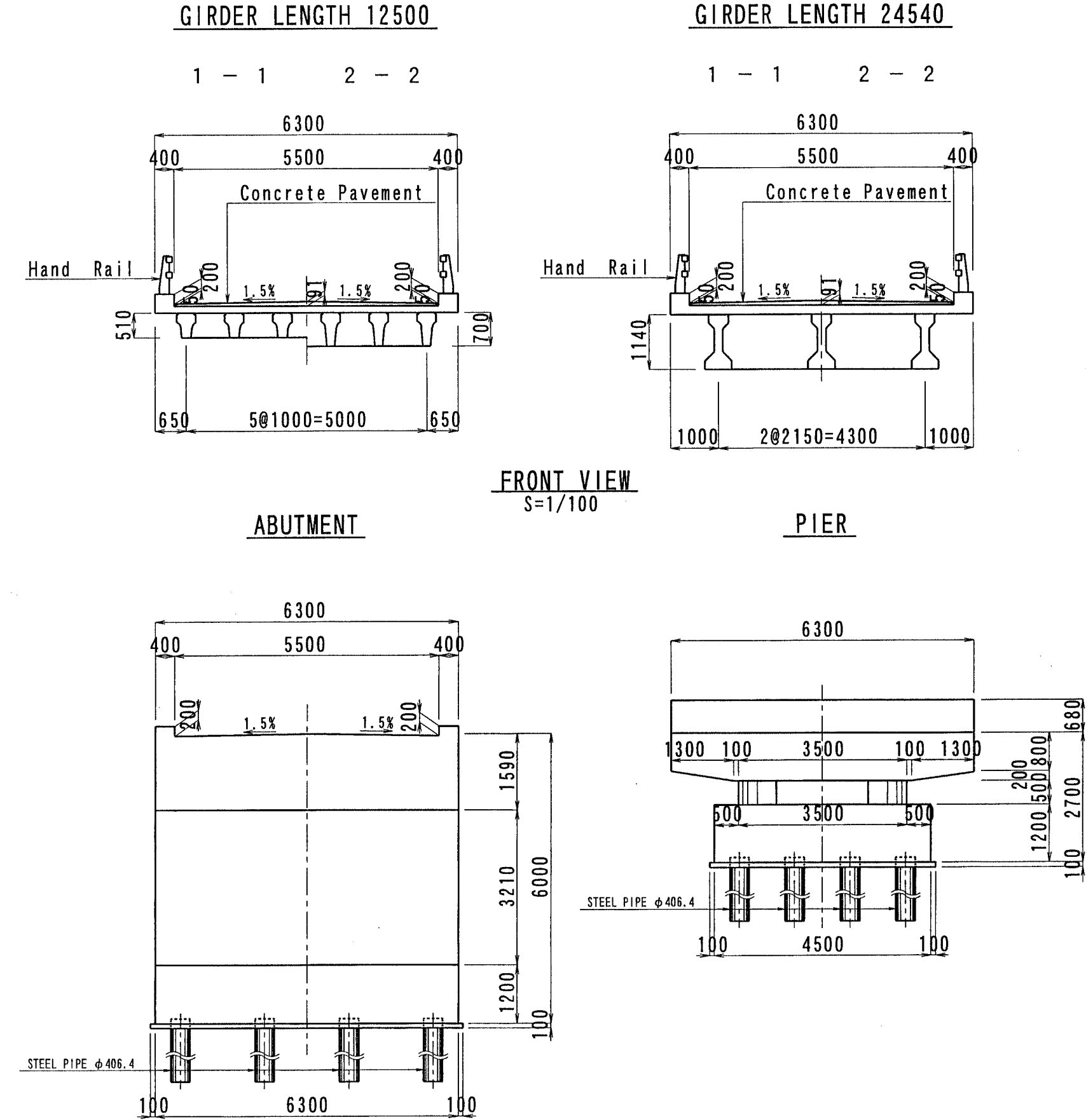
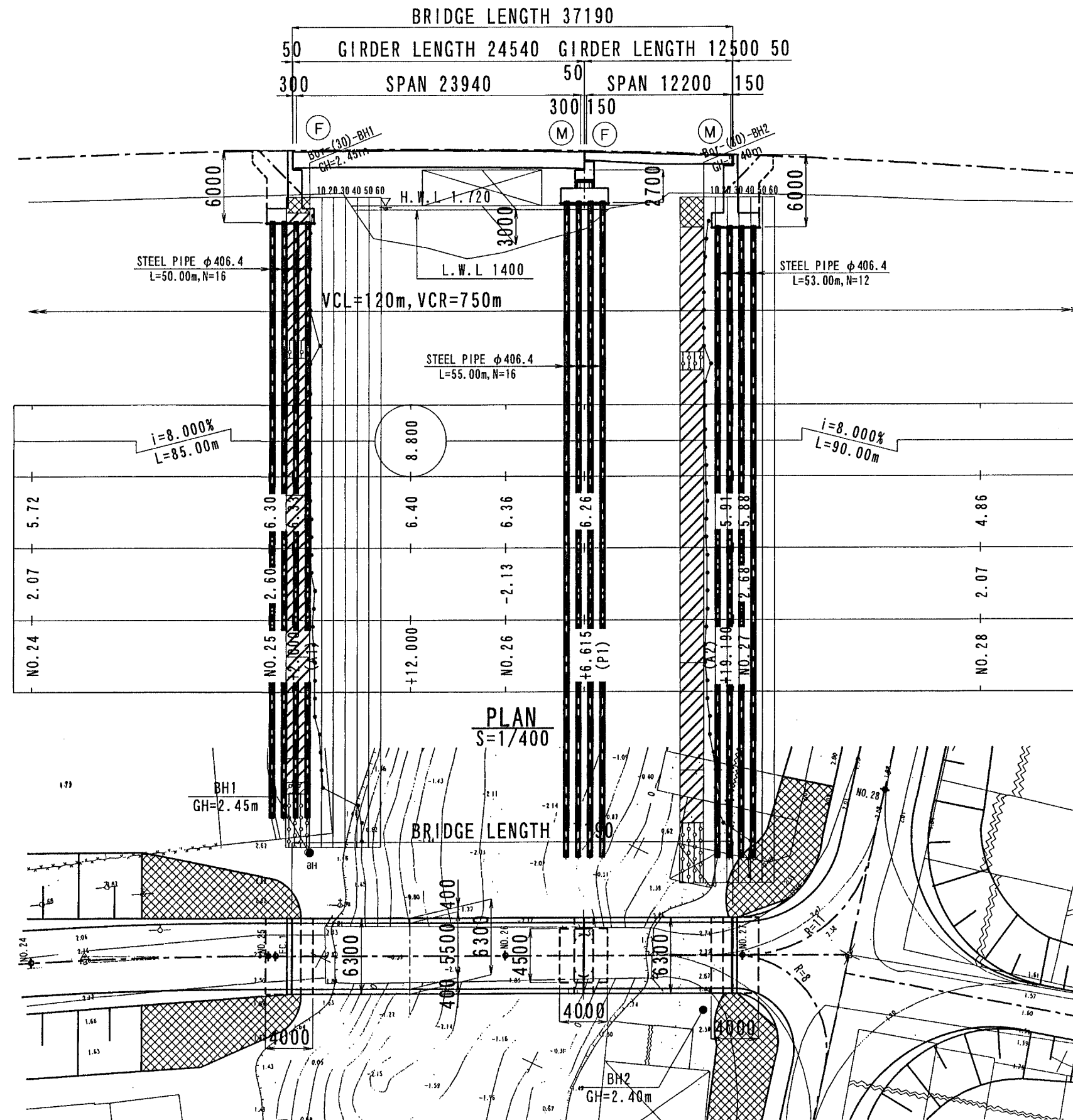
General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	58.20m (12.20m+32.20m+12.20m)
Clearance (H, B)	3.0m x 25.0m
Longitudinal Gradient	8.0% max
Cross-fall of Carriage way	1.50%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment: Reinforced Concrete Pier: Reinforced Concrete
Foundation Type	RC-400x400
Material Strength	
Super Structure Type	Girder: $\sigma_{28}=400kg/cm^2$ Cross Beam: $\sigma_{28}=300kg/cm^2$ Slab: $\sigma_{28}=300kg/cm^2$
Surface	Asphalt: 5cm Curb, Wall: $\sigma_{28}=300kg/cm^2$
Sub Structure Type	$\sigma_{28}=200kg/cm^2$
Reinforcing Steel	SD295 ($\rho_y=30kg/mm^2$)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA		
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Br. No. (26) Tan An Bridge (General View of the Bridge)	1/400, 1/100	

Br. No. (30) Long Binh Bridge
(General View of the Bridge)

CROSS SECTION FOR PC GIRDER
S=1/100

PROFILE
S=1/400



GRADE	
PROPOSED HEIGHT	5.72
GROUND HEIGHT	2.07
STATION	NO. 24

GRADE	i=8.000% L=85.00m		8.800		i=8.000% L=90.00m	
PROPOSED HEIGHT	5.72	6.30	6.40	6.36	6.26	4.86
GROUND HEIGHT	2.07	2.60	2.13	2.07	2.07	2.07
STATION	NO. 24	NO. 25	NO. 26	NO. 27	NO. 28	NO. 28

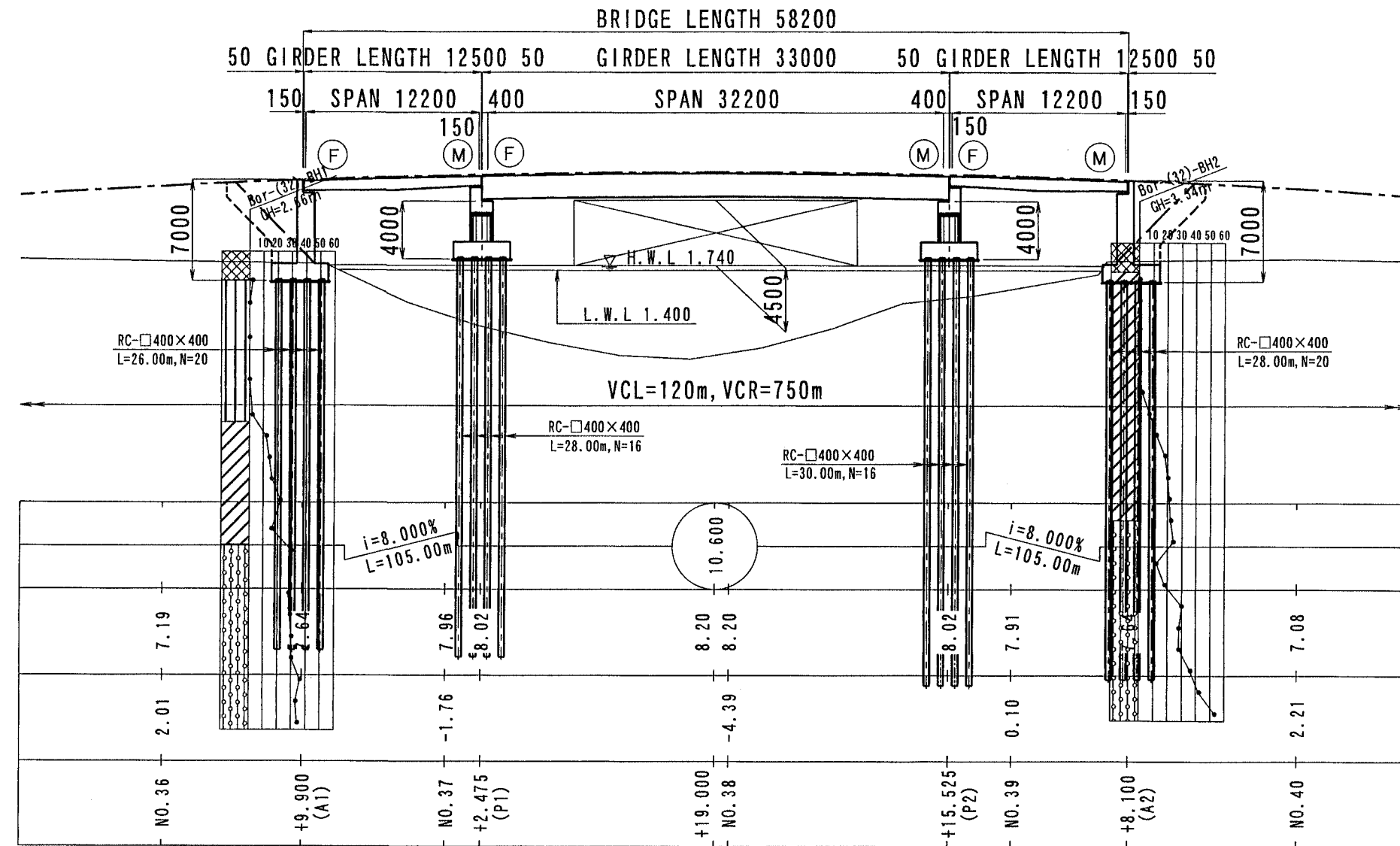
DESIGN CRITERIA

General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	37.19m (23.94m+12.20m)
Clearance (H, B)	3.0m x 10.0m
Longitudinal Gradient	8.0%max
Cross-fall of Carriage way	1.50%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment: Reinforced Concrete Pier: Reinforced Concrete
Foundation Type	STEEL PIPE φ406.4mm
Material Strength	
Super Structure Type	Girder: σ28=400kgf/cm ² Cross Beam: σ28=300kgf/cm ² Slab: σ28=300kgf/cm ²
Surface	Asphalt: 5cm Curb, Wall: σ28=300kgf/cm ² σ28=200kgf/cm ²
Sub Structure Type	σ28=200kgf/cm ²
Reinforcing Steel	SD295 (py=30kg/mm ²)

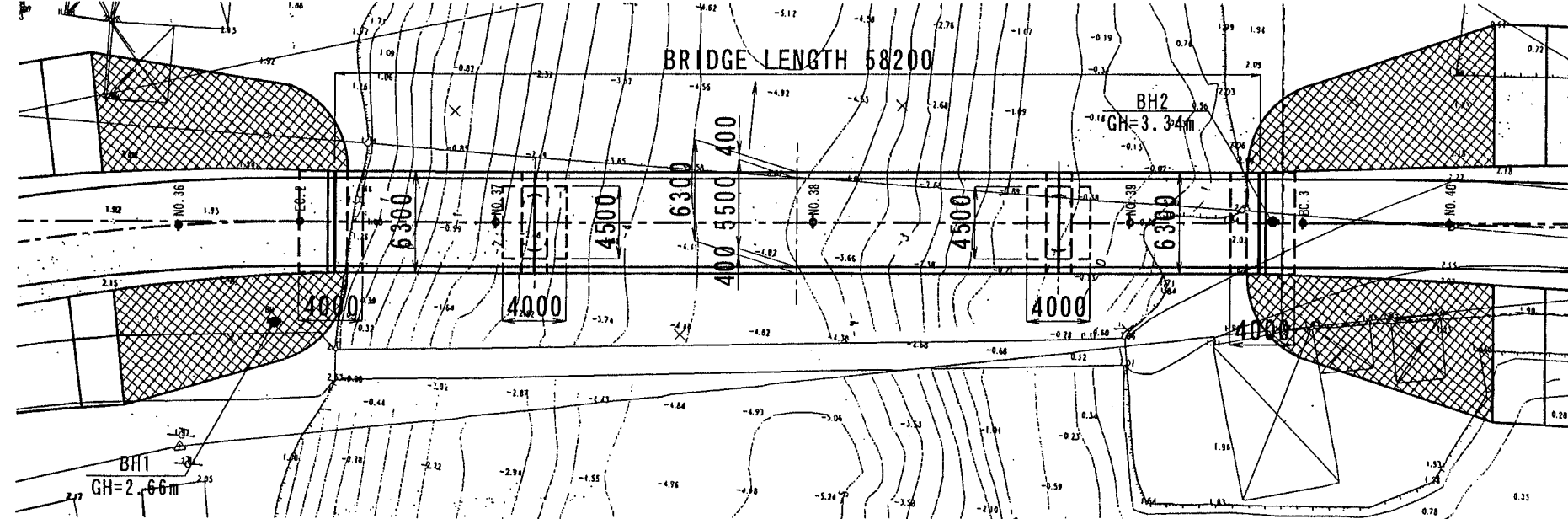
BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA		
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Br. No. (30) Long Binh Bridge (General View of the Bridge)	1/400, 1/100	

Br. No. (32) Tra Tan Bridge
(General View of the Bridge)

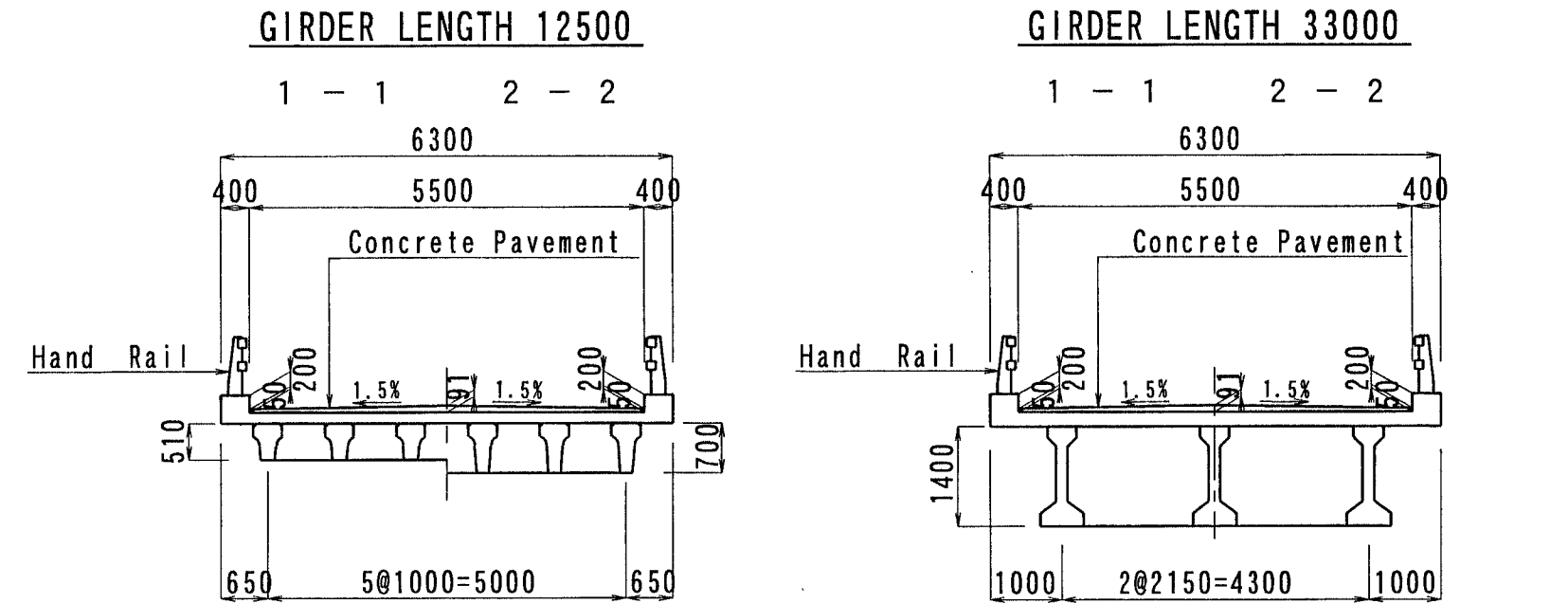
PROFILE
S=1/400



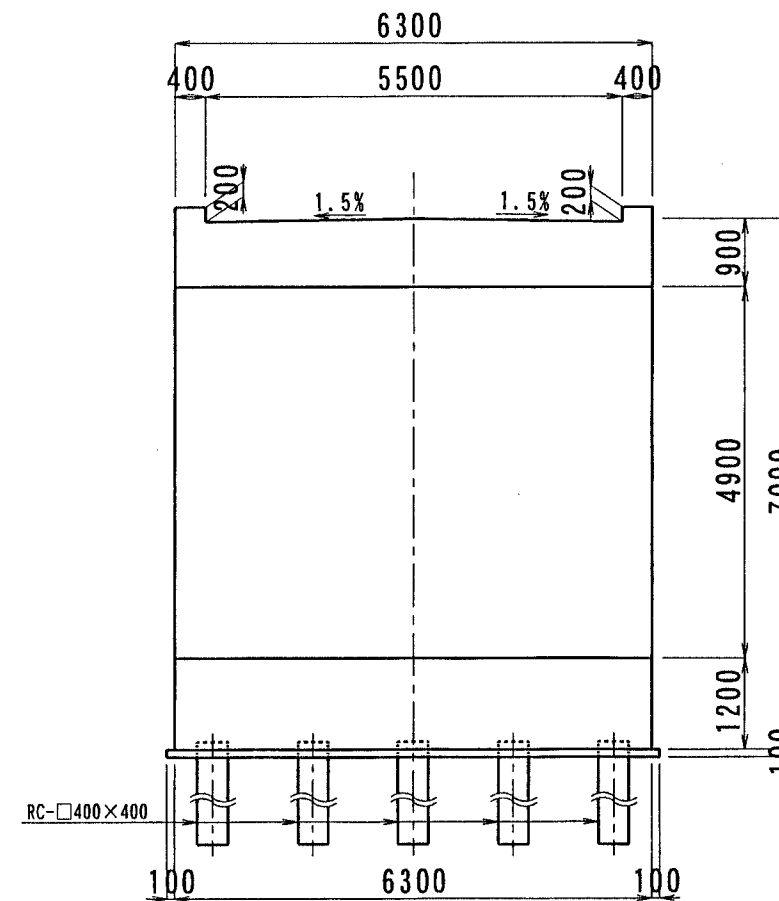
PLAN
S=1/400



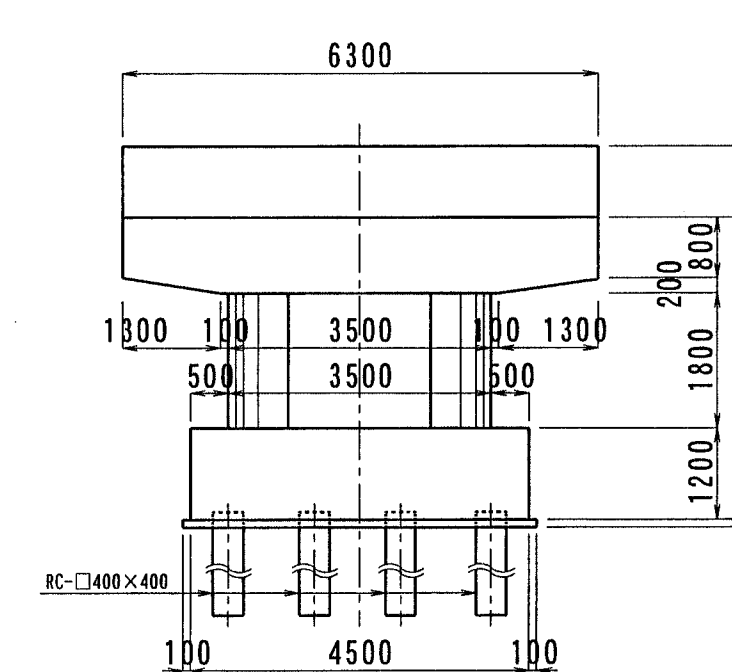
CROSS SECTION FOR PC GIRDER
S=1/100



ABUTMENT



PIER



DESIGN CRITERIA

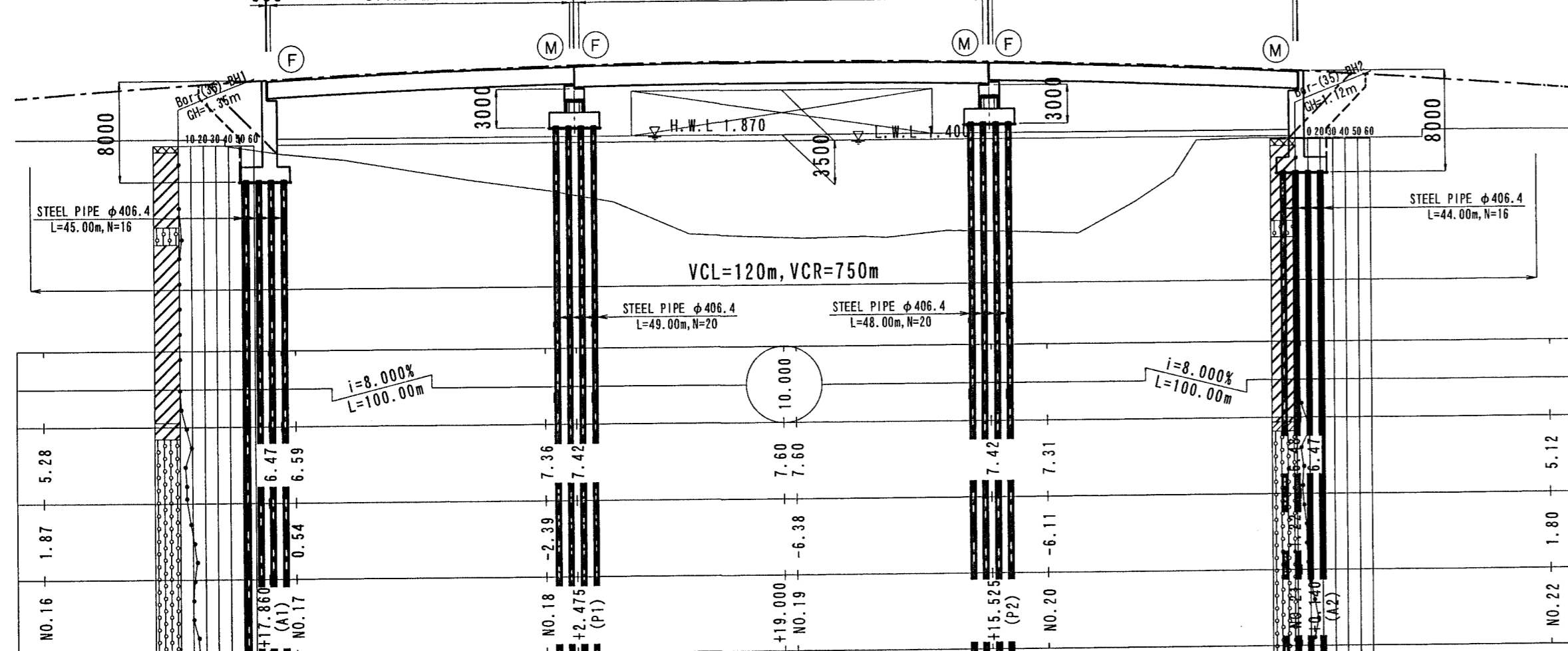
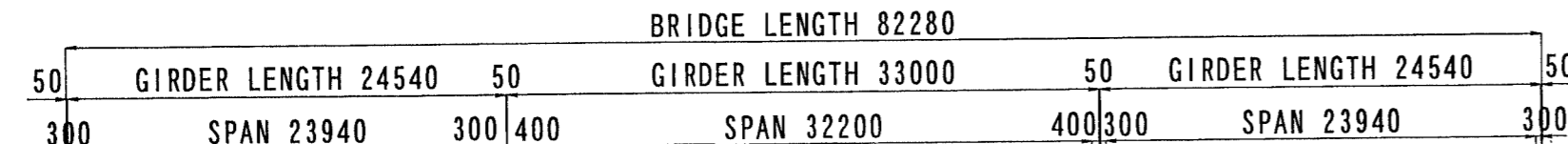
General Condition		
Design Speed	V=40km/h	
Bridge Length (Span Length)	58.20m(12.20m+32.20m+12.20m)	
Clearance(H.B)	4.5m×20.0m	
Longitudinal Gradient	8.0%max	
Cross-fall of Carriage way	1.50%	
Super Structure Type	Prestressed Concrete	
Sub Structure Type	Abutment	Reinforced Concrete
	Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40×40cm	
Material Strength		
Super Structure Type	Girder	σ28=400kgf/cm ²
	Cross Beam	σ28=300kgf/cm ²
	Slab	σ28=300kgf/cm ²
Surface	Asphalt	5cm
	Curb, Wall	σ28=300kgf/cm ²
Sub Structure Type	σ28=200kgf/cm ²	
Reinforcing Steel	SD295(py=30kg/mm ²)	

BASIC DESIGN STUDY ON THE PROJECT FOR
CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA

Japan International Cooperation Agency(JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Br. No. (32) Tra Tan Bridge (General View of the Bridge)	1/400, 1/100	

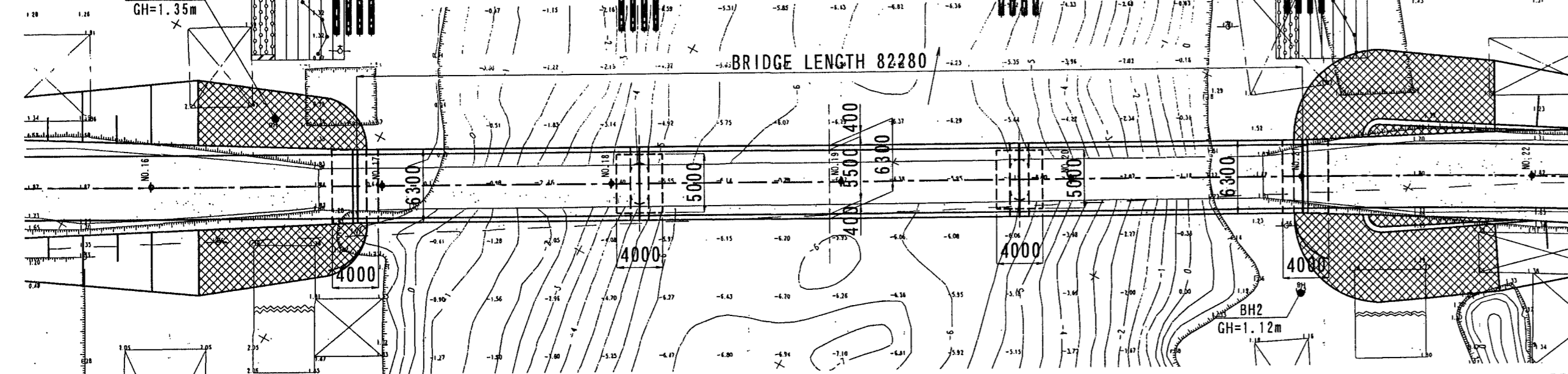
Br. No. (35) Ranh Tong Bridge
(General View of the Bridge)

PROFILE
S=1/400

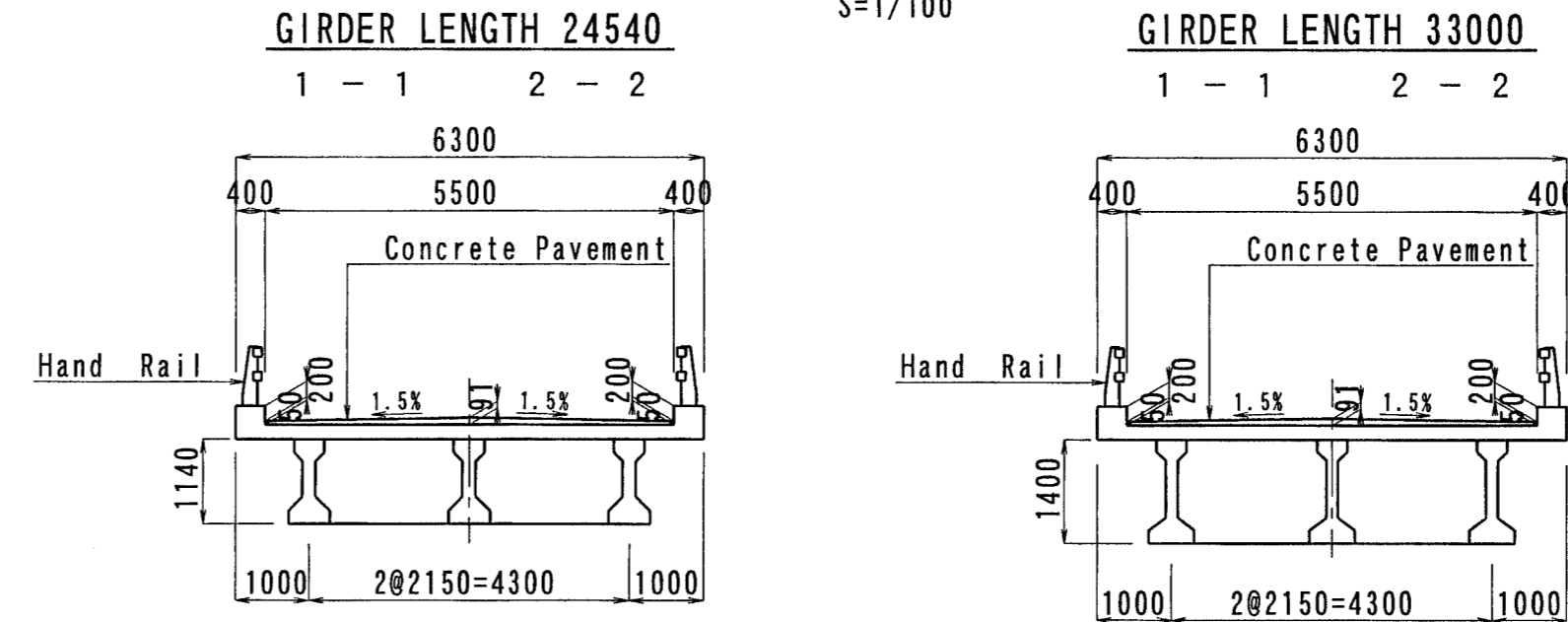


GRADE	
PROPOSED HEIGHT	5.28
GROUND HEIGHT	1.87
STATION	NO. 16

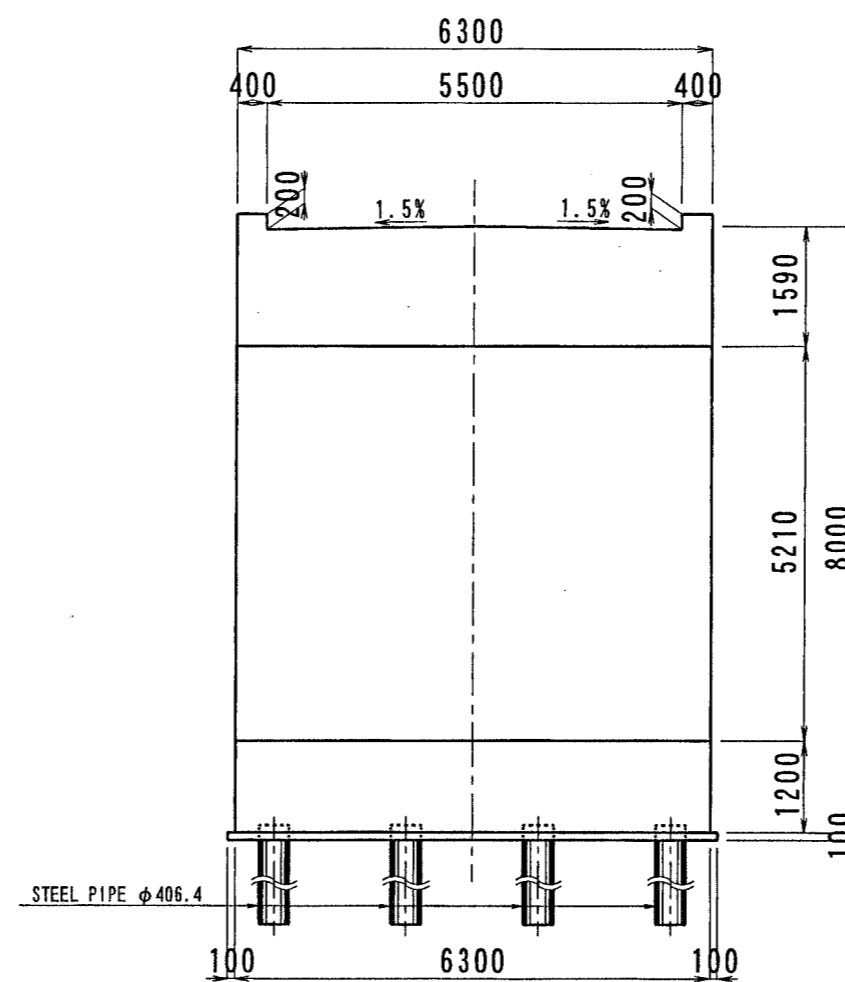
PLAN
S=1/400



CROSS SECTION FOR PC GIRDER
S=1/100

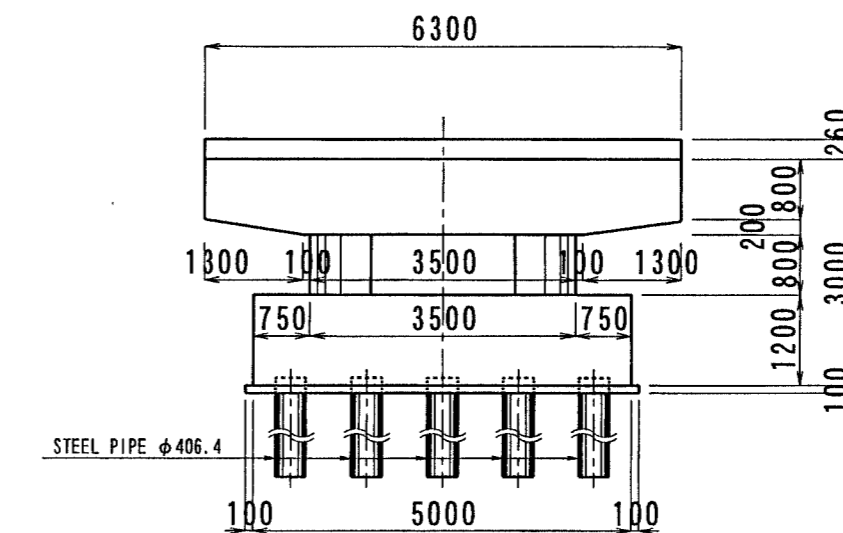


ABUTMENT



FRONT VIEW
S=1/100

PIER



DESIGN CRITERIA

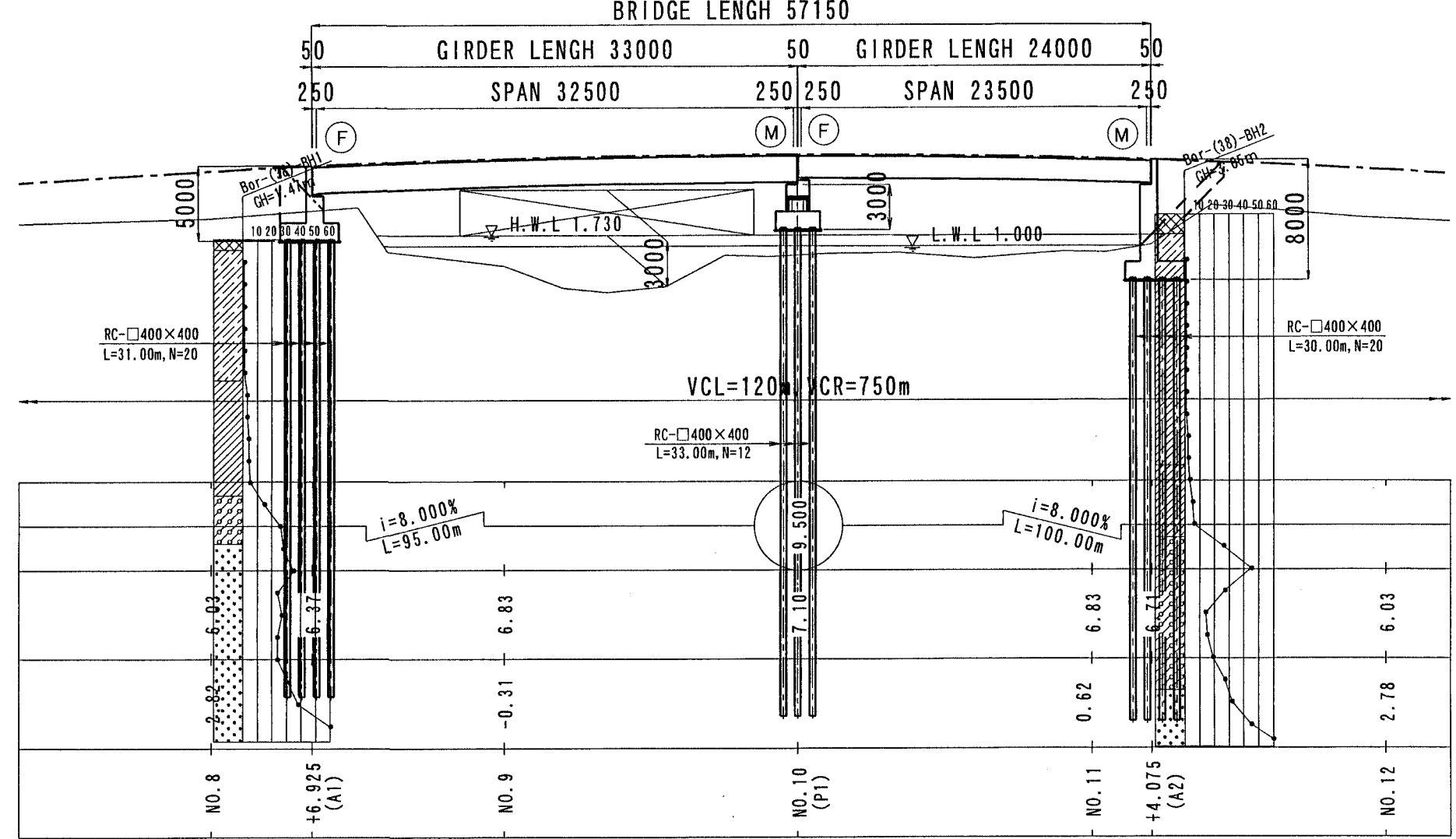
General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	82.82m (23.94m+32.20m+23.94m)
Clearance (H, B)	3.5m x 24.0m
Longitudinal Gradient	8.0% max
Cross-fall of Carriage way	1.50%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment: Reinforced Concrete Pier: Reinforced Concrete
Foundation Type	STEEL PIPE φ406.4mm
Material Strength	
Super Structure Type	Girder: σ28=400kgf/cm ² Cross Beam: σ28=300kgf/cm ² Slab: σ28=300kgf/cm ²
Surface	Asphalt: 5cm Curb, Wall: σ28=300kgf/cm ²
Sub Structure Type	σ28=200kgf/cm ²
Reinforcing Steel	SD295 (py=30kg/mm ²)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA

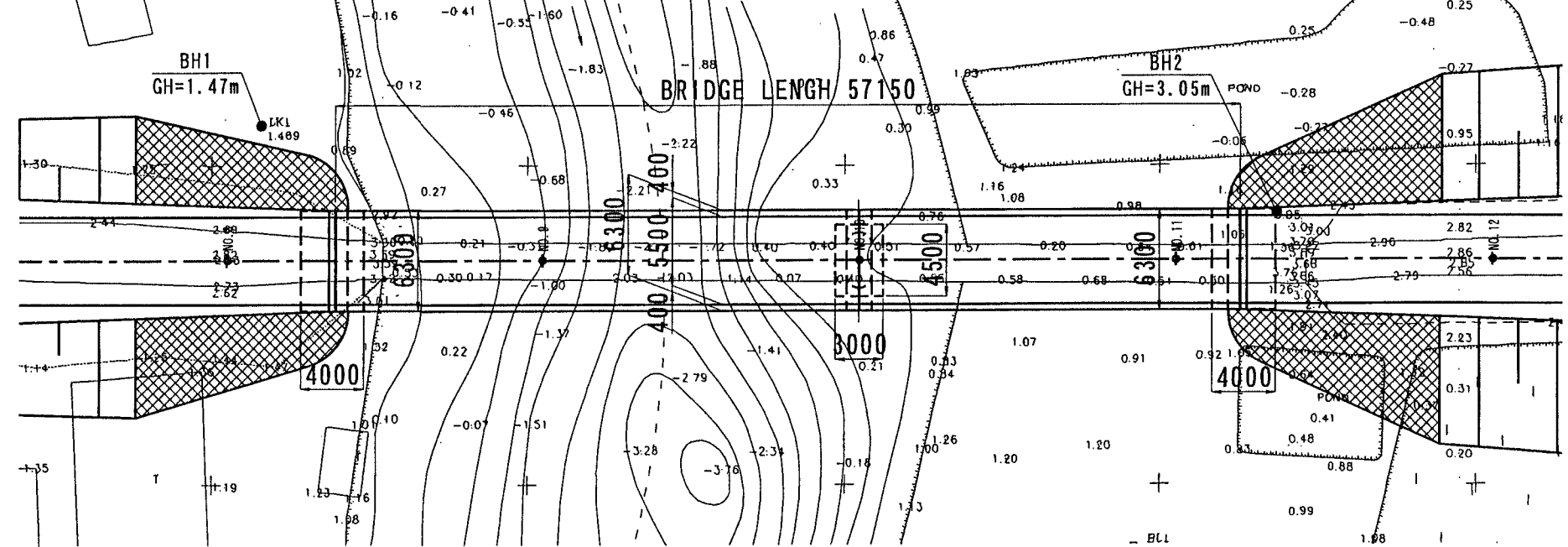
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Br. No. (35) Ranh Tong Bridge (General View of the Bridge)	1/400, 1/100	

Br. No. (38) Ba Ly Bridge
(General View of the Bridge)

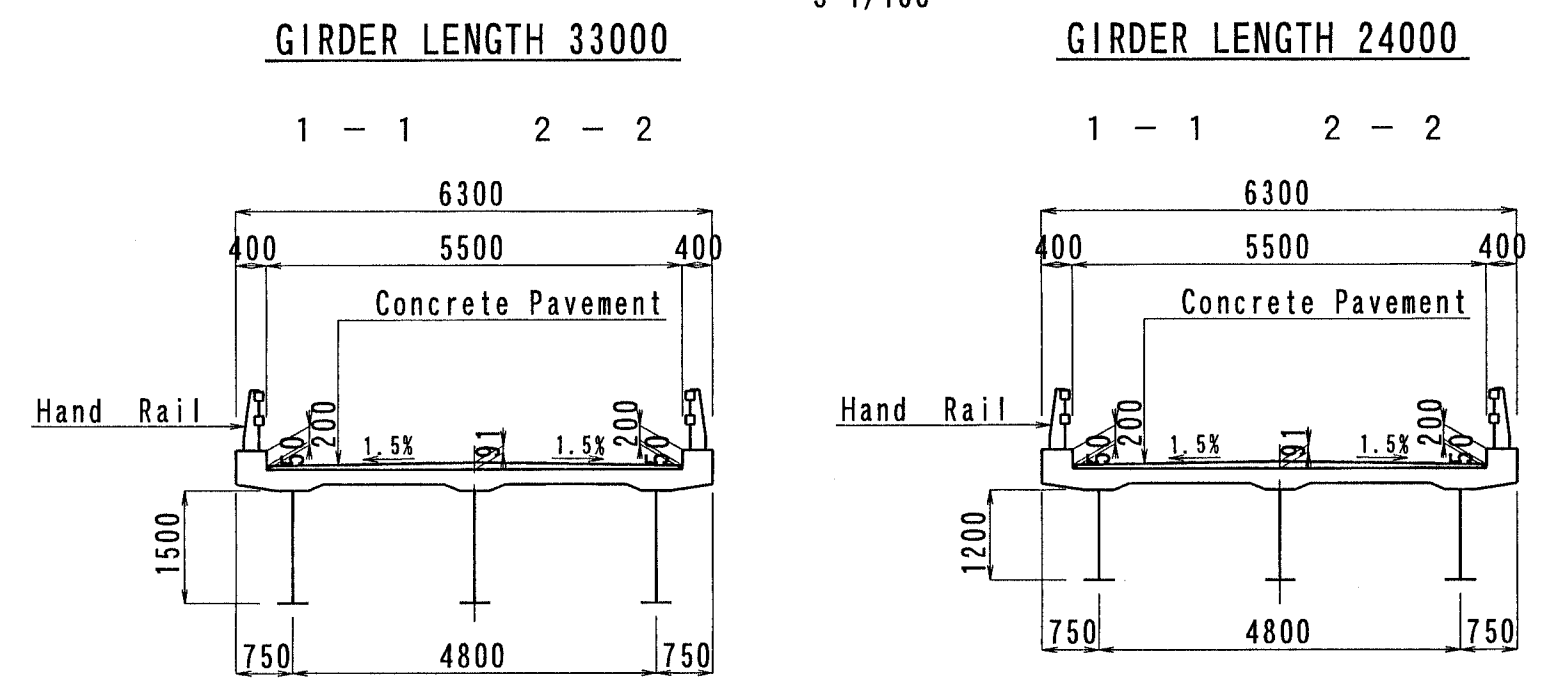
PROFILE
S=1/400



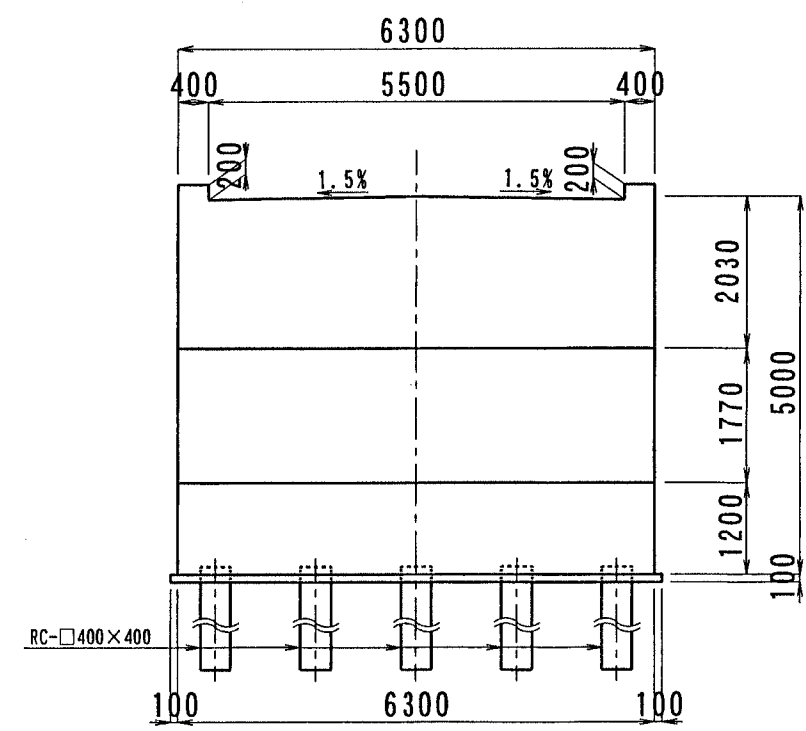
PLAN
S=1/400



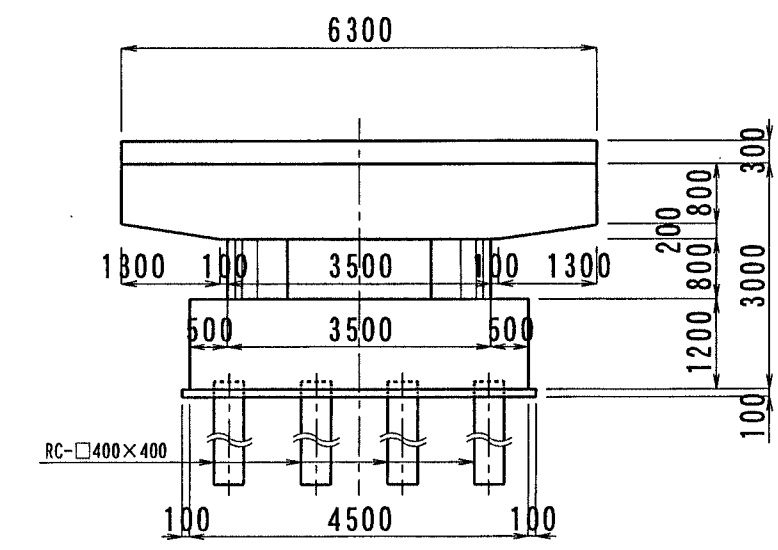
CROSS SECTION FOR STEEL GIRDER
S=1/100



ABUTMENT



PIER



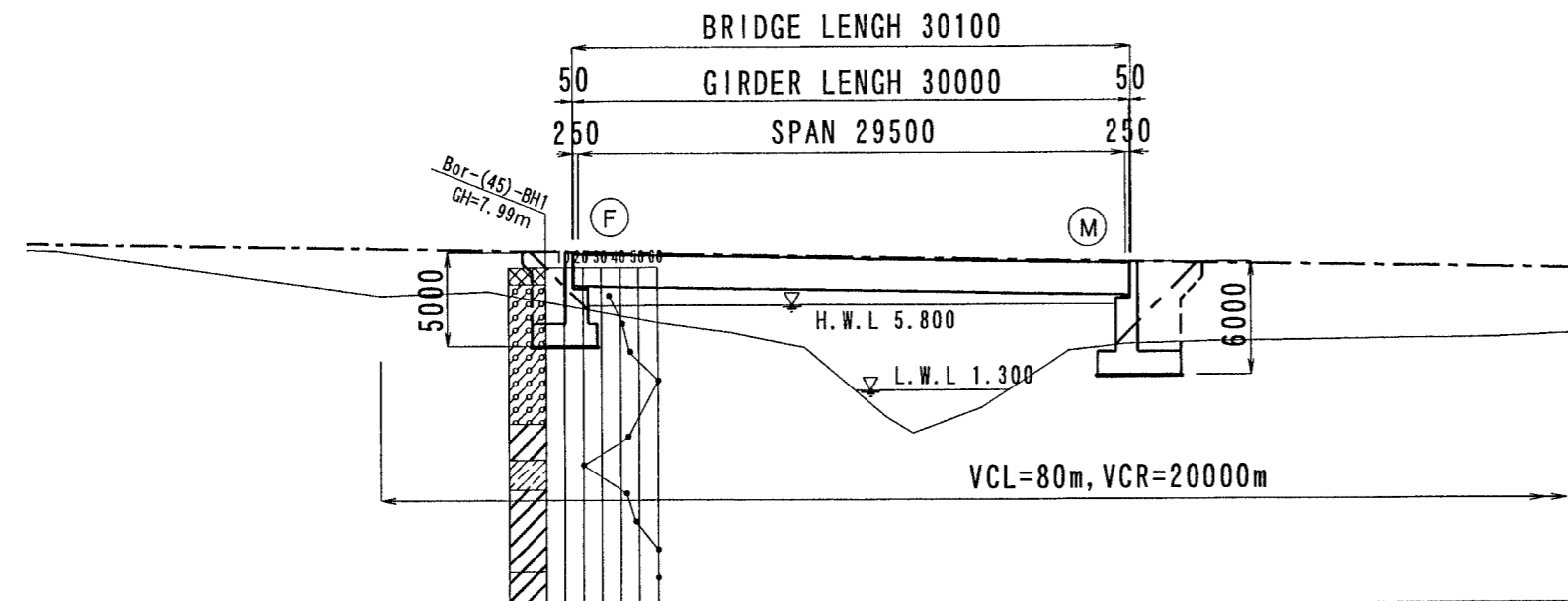
DESIGN CRITERIA

General Condition		
Design Speed	V=40km/h	
Bridge Length (Span Length)	57.15m (32.50m+23.50m)	
Clearance (H.B)	3.0m x 20.0m	
Longitudinal Gradient	8.0% max	
Cross-fall of Carriage way	1.50%	
Super Structure Type	Steel Girder	
Sub Structure Type	Abutment	Reinforced Concrete
	Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm	
Material Strength		
Super Structure Type	Girder	$\sigma 28=400\text{kgf/cm}^2$
	Cross Beam	$\sigma 28=300\text{kgf/cm}^2$
	Slab	$\sigma 28=300\text{kgf/cm}^2$
Surface	Asphalt	5cm
	Curb, Wall	$\sigma 28=300\text{kgf/cm}^2$
Sub Structure Type	$\sigma 28=200\text{kgf/cm}^2$	
Reinforcing Steel	SD295 (py=30kg/mm ²)	

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA		
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International		
Drawing Title	Scale	Drawing No.
Br. No. (38) Ba Ly Bridge (General View of the Bridge)	1/400, 1/100	

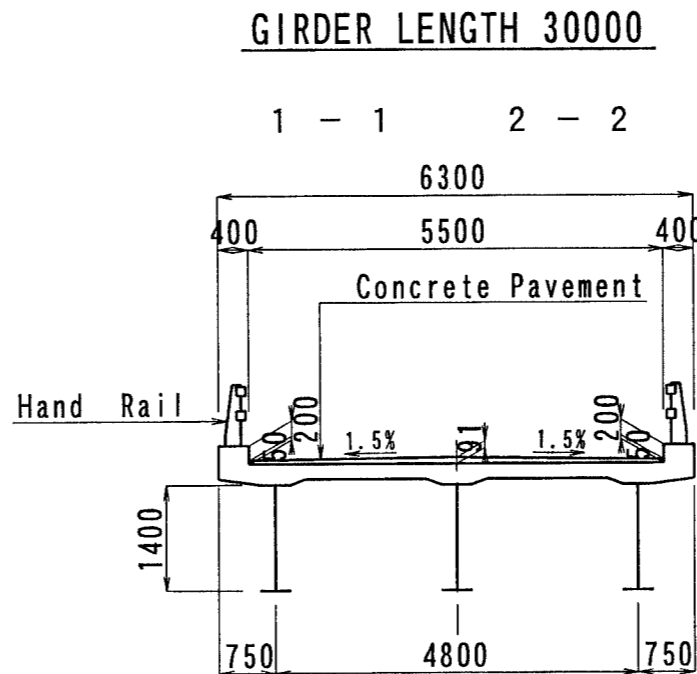
Br. No. (45) Chua Bridge (General View of the Bridge)

PROFILE
S=1/400



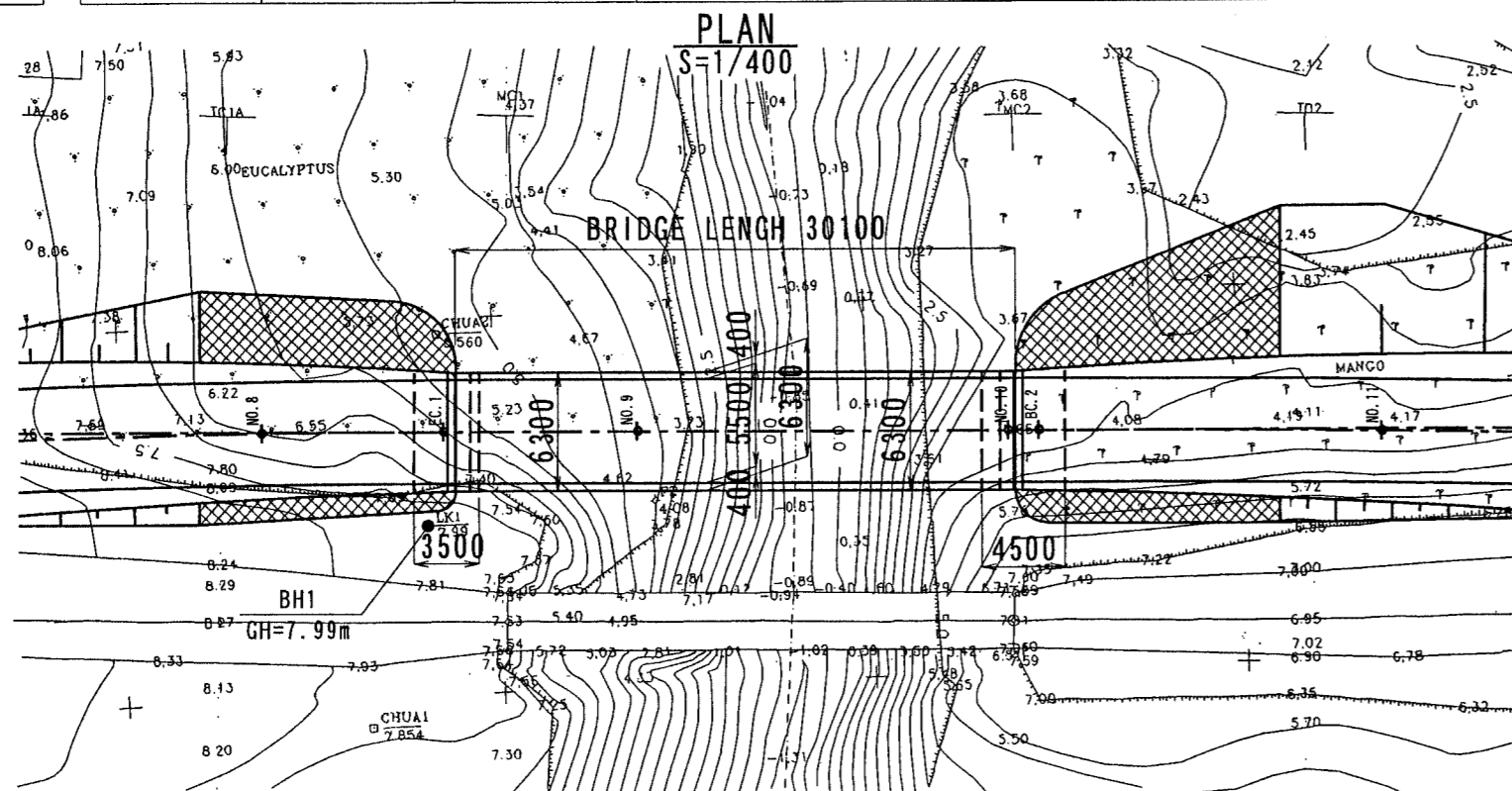
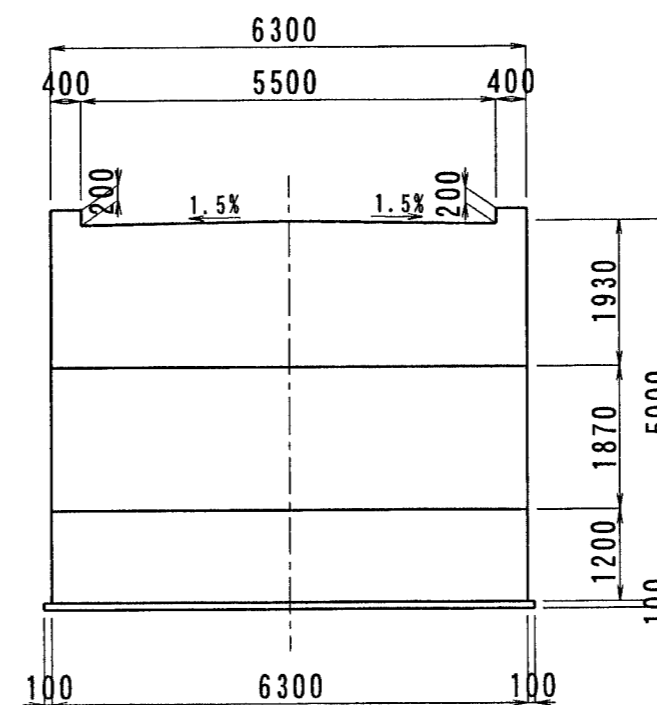
GRADE					
PROPOSED HEIGHT	9.00	8.80	8.61	8.24 8.23	7.89
GROUND HEIGHT	8.12		3.65	6.85	6.85
STATION	NO. 8	+10.270 (A1)	NO. 9	NO. 10 +0.370 (A2)	NO. 11

CROSS SECTION FOR STEEL GIRDER
S=1/100



FRONT VIEW
S=1/100

ABUTMENT



DESIGN CRITERIA

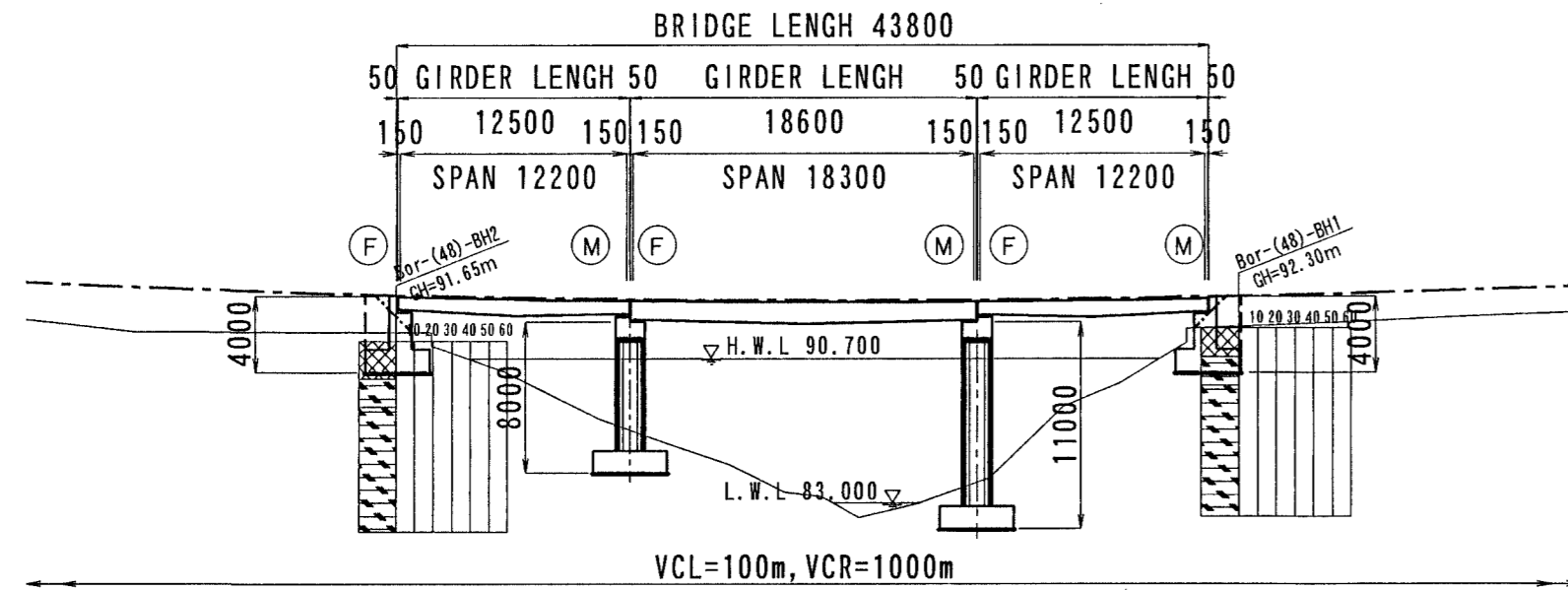
General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	30.10m (29.50m)
Clearance (H, B)	-
Longitudinal Gradient	2.0%max
Cross-fall of Carriage way	1.50%
Super Structure Type	Steel Girder
Sub Structure Type	Abutment: Reinforced Concrete Pier: Reinforced Concrete
Foundation Type	Spread
Material Strength	
Super Structure Type	Girder: $\sigma 28=400\text{kgf/cm}^2$ Cross Beam: $\sigma 28=300\text{kgf/cm}^2$ Slab: $\sigma 28=300\text{kgf/cm}^2$
Surface	Asphalt: 5cm Curb, Wall: $\sigma 28=300\text{kgf/cm}^2$
Sub Structure Type	$\sigma 28=200\text{kgf/cm}^2$
Reinforcing Steel	SD295 ($p_y=30\text{kg/mm}^2$)

BASIC DESIGN STUDY ON THE PROJECT FOR
CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA

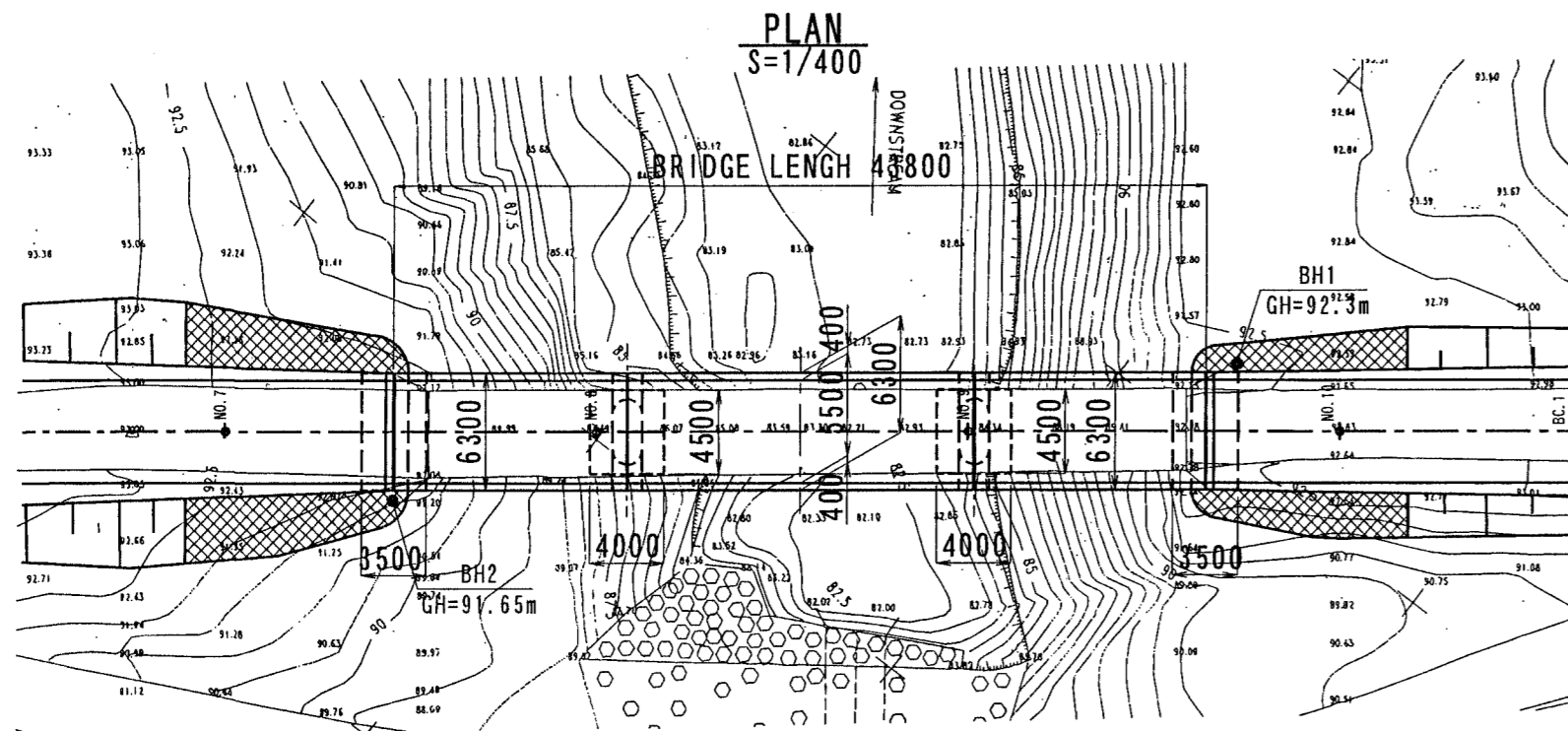
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International		
Drawing Title	Scale	Drawing No.
Br. No. (45) Chua Bridge (General View of the Bridge)	1/400, 1/100	

Br. No. (48) Dakia Bridge
(General View of the Bridge)

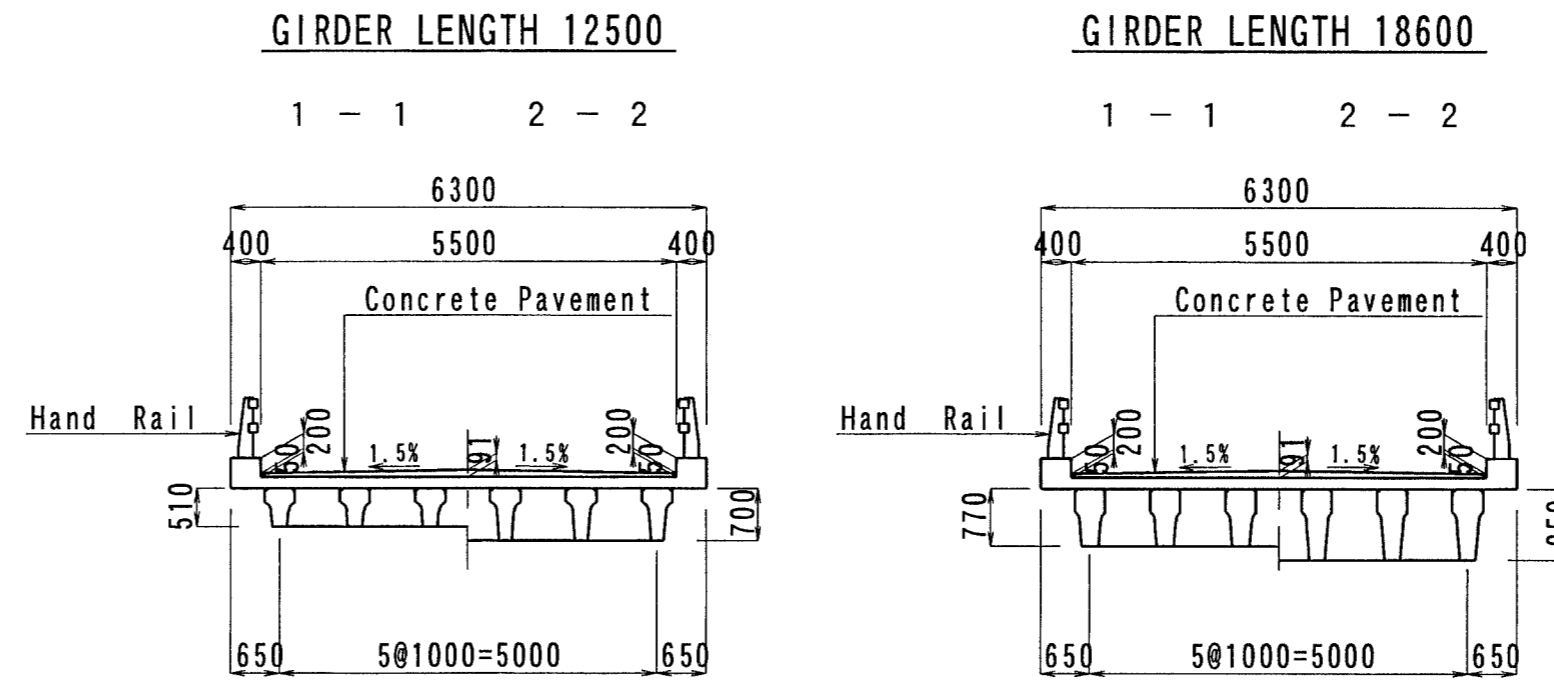
PROFILE
S=1/400



GRADE	i=5.210% L=131.00m		92.500	i=4.830% L=129.00m	
PROPOSED HEIGHT	94.30	94.04	93.84	93.82	93.76
GROUND HEIGHT	92.09	87.49	83.99	93.78	93.95
STATION	NO. 7	+9.100 (A1)	NO. 8	+1.675 (P1)	+11.000
					NO. 9
					+0.325 (A1)
					+12.900 (A2)
					NO. 10
					94.12



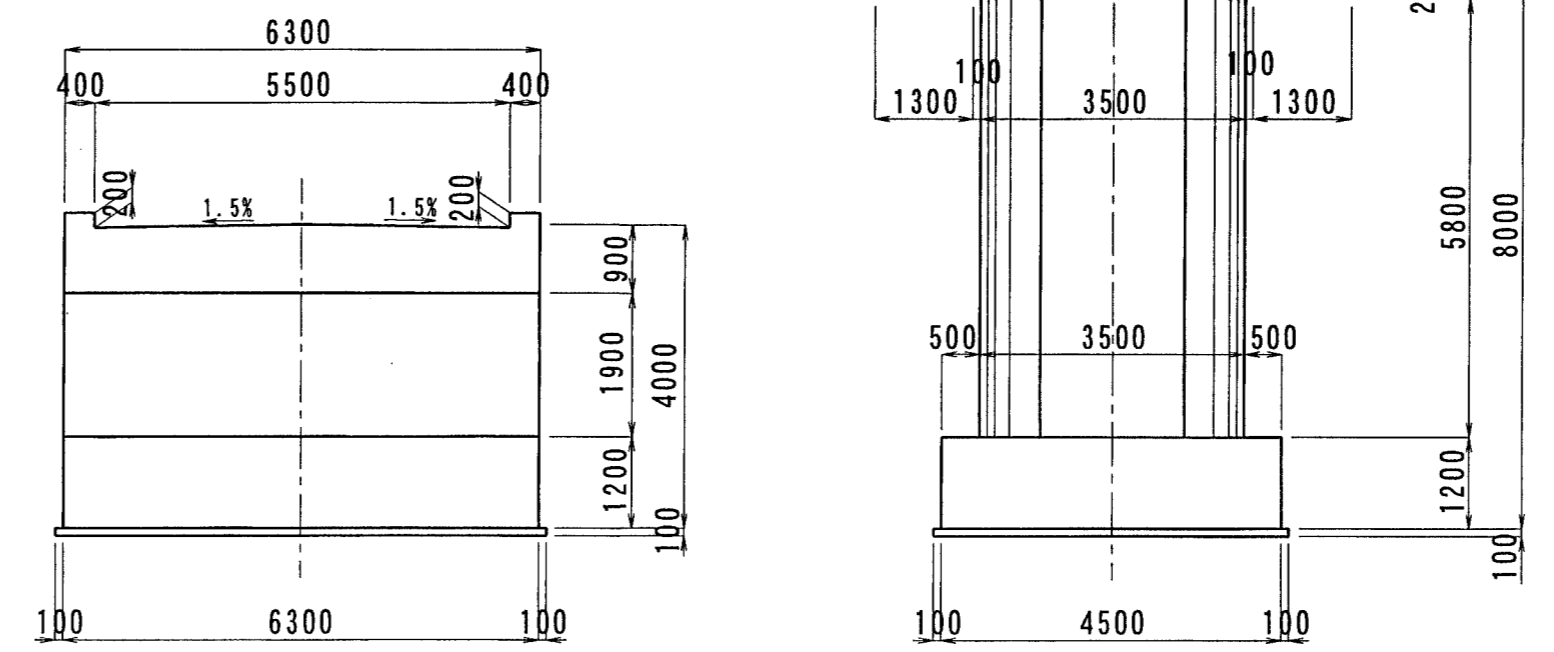
CROSS SECTION FOR PC GIRDER
S=1/100



ABUTMENT

FRONT VIEW
S=1/100

PIER



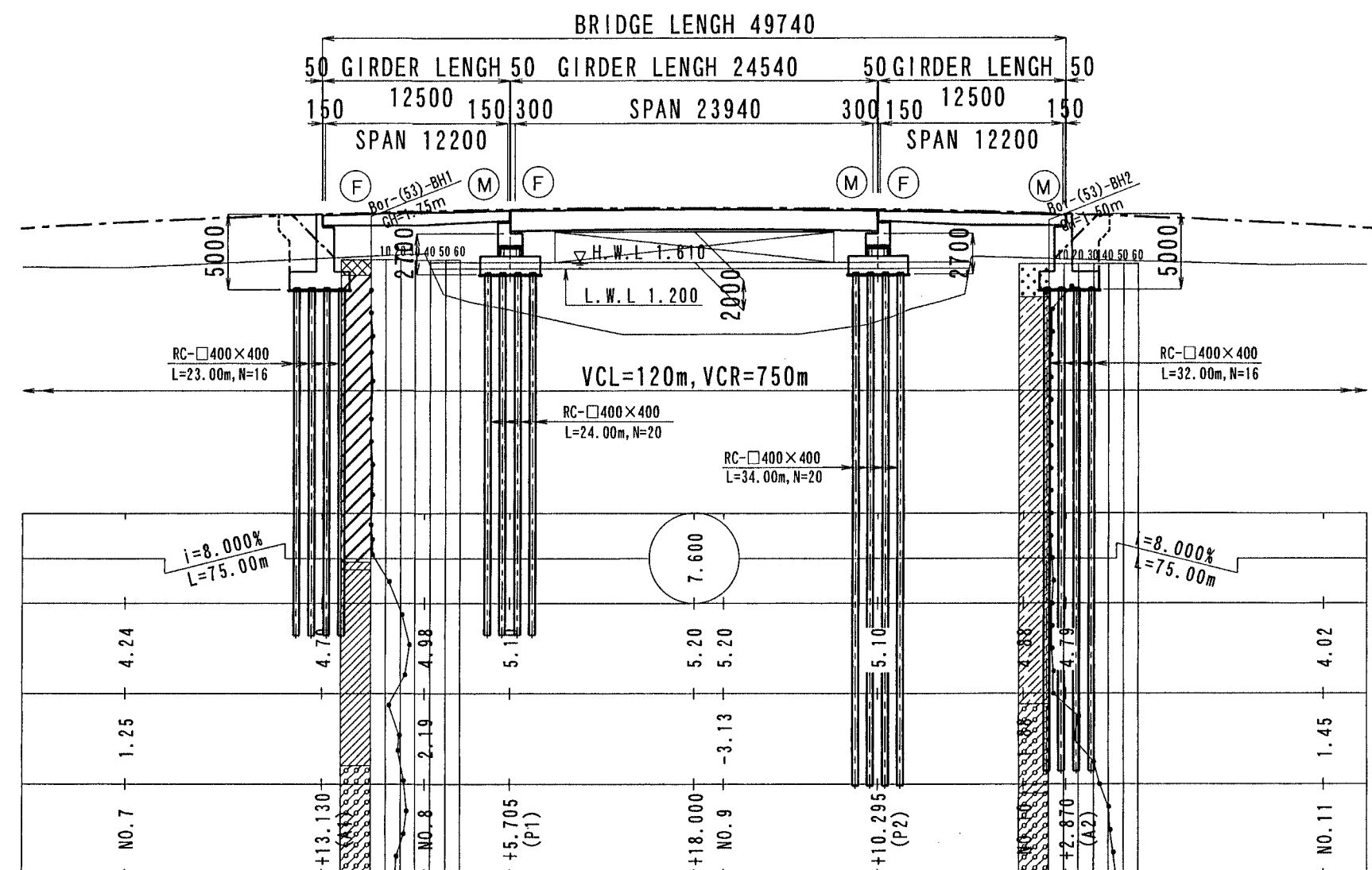
DESIGN CRITERIA

General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	43.80m(12.20m+18.30m+12.20m)
Clearance(H,B)	-
Longitudinal Gradient	5.2%max
Cross-fall of Carriage way	1.50%
Super Structure Type	Prestressed Concrete
Sub Structure Type	Abutment Reinforced Concrete
	Pier Reinforced Concrete
Foundation Type	Spread
Material Strength	
Super Structure Type	Girder $\sigma 28=400\text{kgf/cm}^2$
	Cross Beam $\sigma 28=300\text{kgf/cm}^2$
	Slab $\sigma 28=300\text{kgf/cm}^2$
Surface	Asphalt 5cm
	Curb, Wall $\sigma 28=300\text{kgf/cm}^2$
Sub Structure Type	$\sigma 28=200\text{kgf/cm}^2$
Reinforcing Steel	SD295(py=30kg/mm ²)

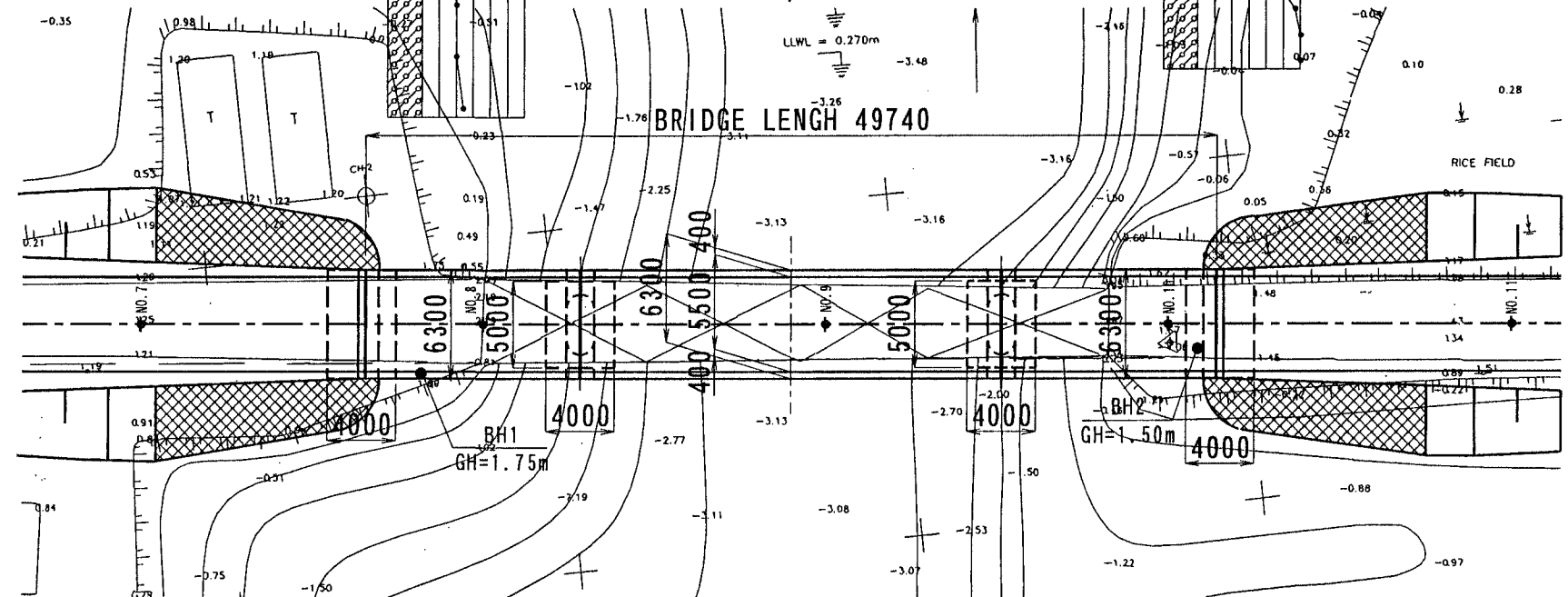
BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA		
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Br. No. (48) Dakia Bridge (General View of the Bridge)	1/400, 1/100	

Br. No. (53) Chay Bridge
(General View of the Bridge)

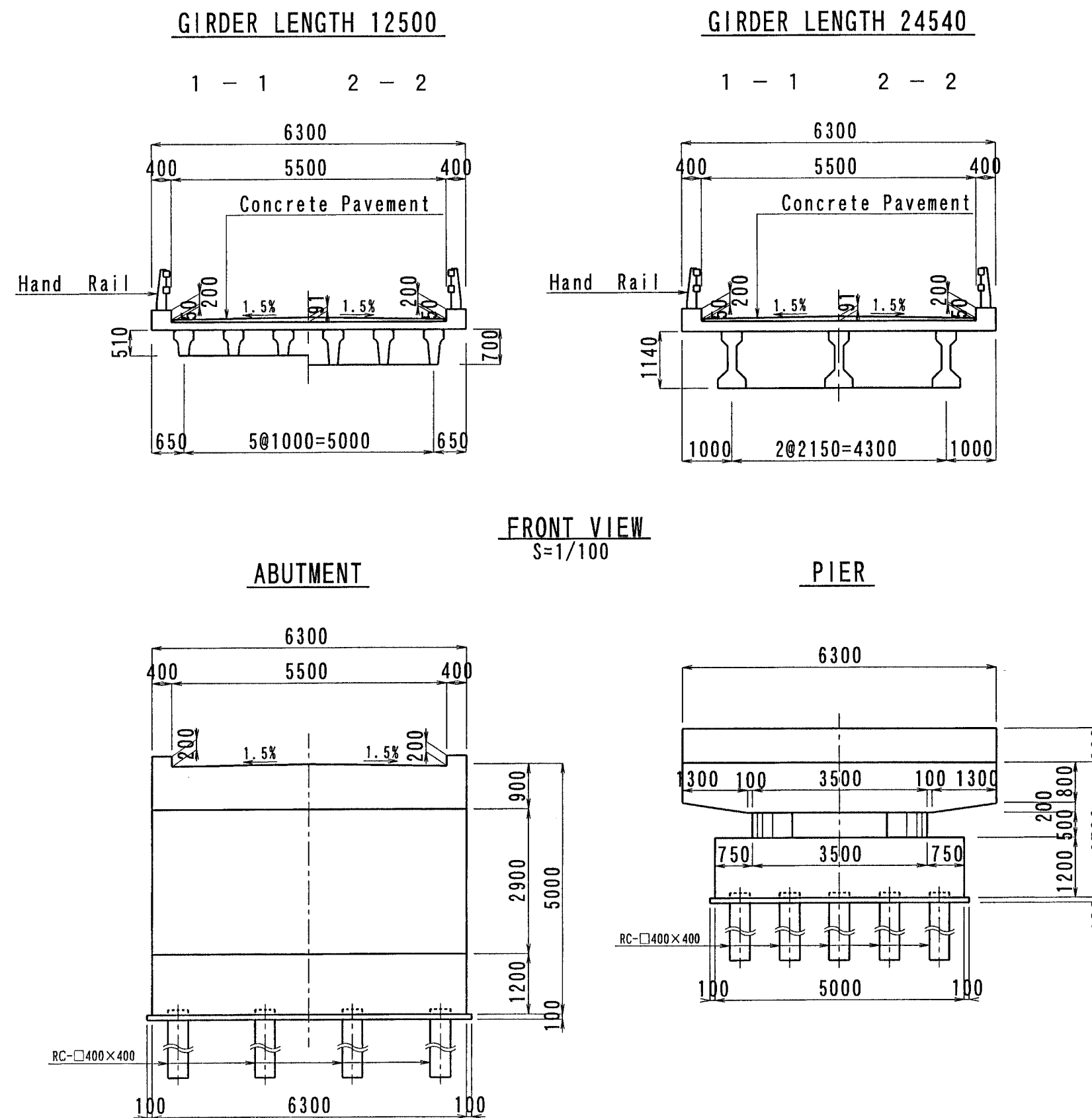
PROFILE
S=1/400



PLAN
S=1/400



CROSS SECTION FOR PC GIRDER
S=1/100



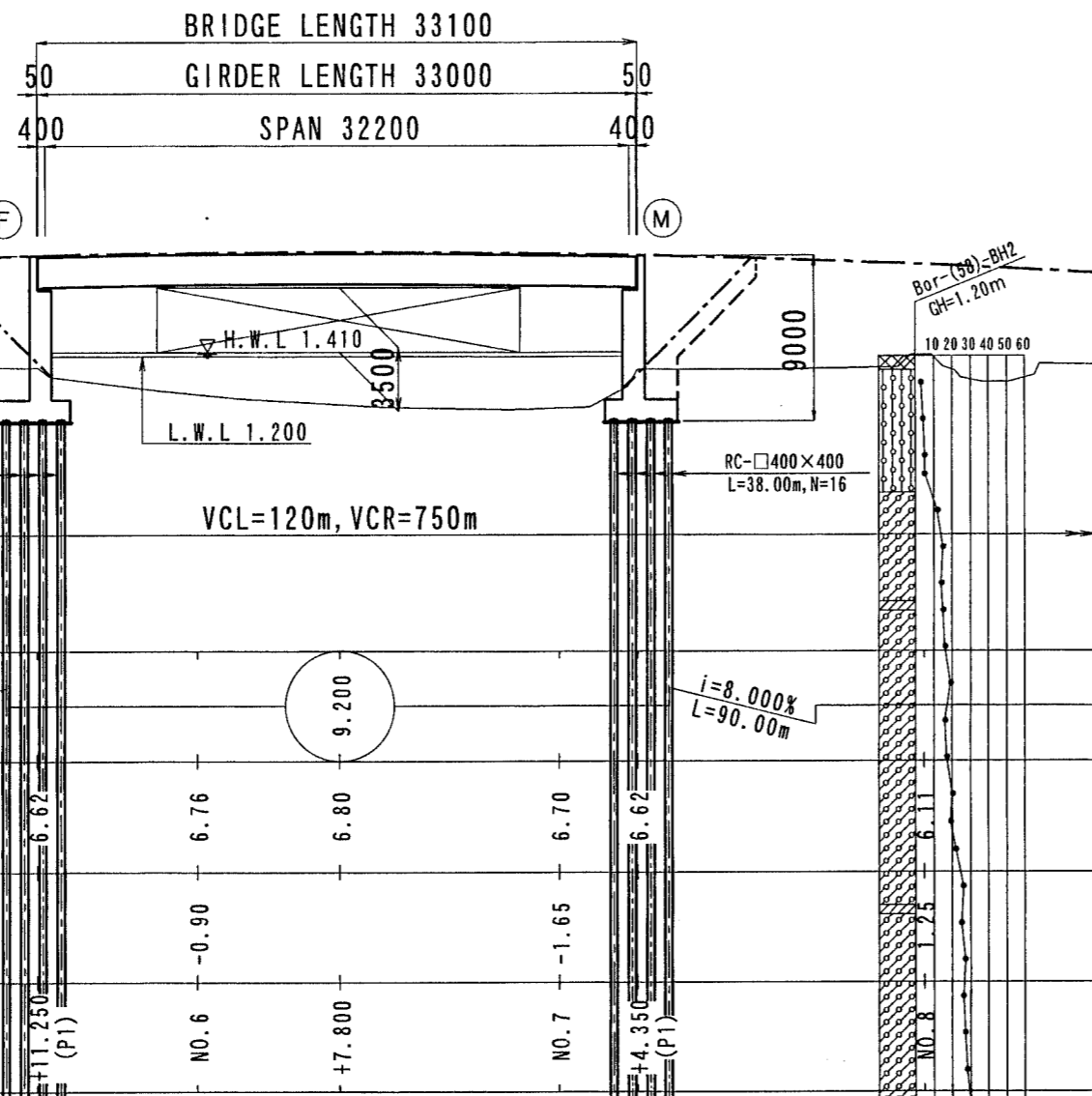
DESIGN CRITERIA

General Condition		
Design Speed	V=40km/h	
Bridge Length (Span Length)	49.74m(12.20m+23.94m+12.20m)	
Clearance (H, B)	2.0m x 18.6m	
Longitudinal Gradient	8.0%max	
Cross-fall of Carriage way	1.50%	
Super Structure Type	Prestressed Concrete	
Sub Structure Type	Abutment	Reinforced Concrete
	Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm	
Material Strength		
Super Structure Type	Girder	$\sigma_{28}=400\text{kgf/cm}^2$
	Cross Beam	$\sigma_{28}=300\text{kgf/cm}^2$
	Slab	$\sigma_{28}=300\text{kgf/cm}^2$
Surface	Asphalt	5cm
	Curb, Wall	$\sigma_{28}=300\text{kgf/cm}^2$
Sub Structure Type	$\sigma_{28}=200\text{kgf/cm}^2$	
Reinforcing Steel	SD295 (py=30kg/mm ²)	

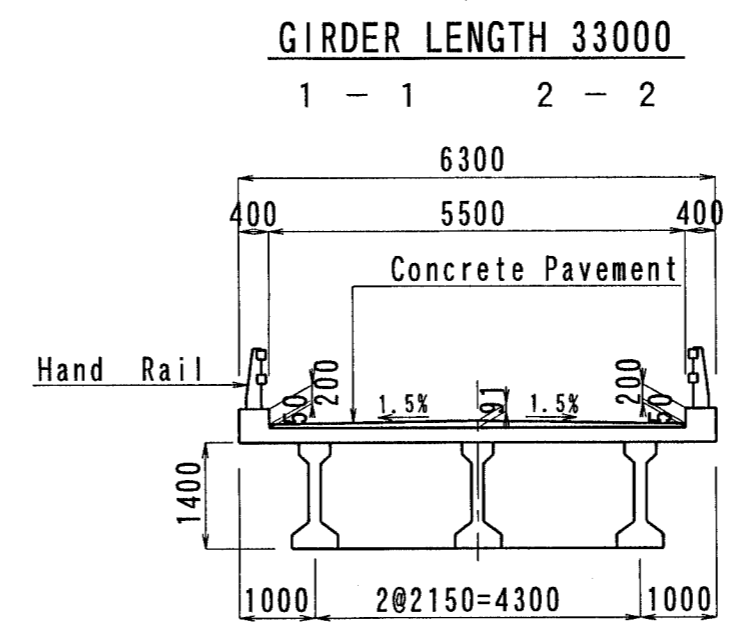
BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA		
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Br. No. (53) Chay Bridge (General View of the Bridge)	1/400, 1/100	

Br. No. (58) Ap An Binh Bridge (General View of the Bridge)

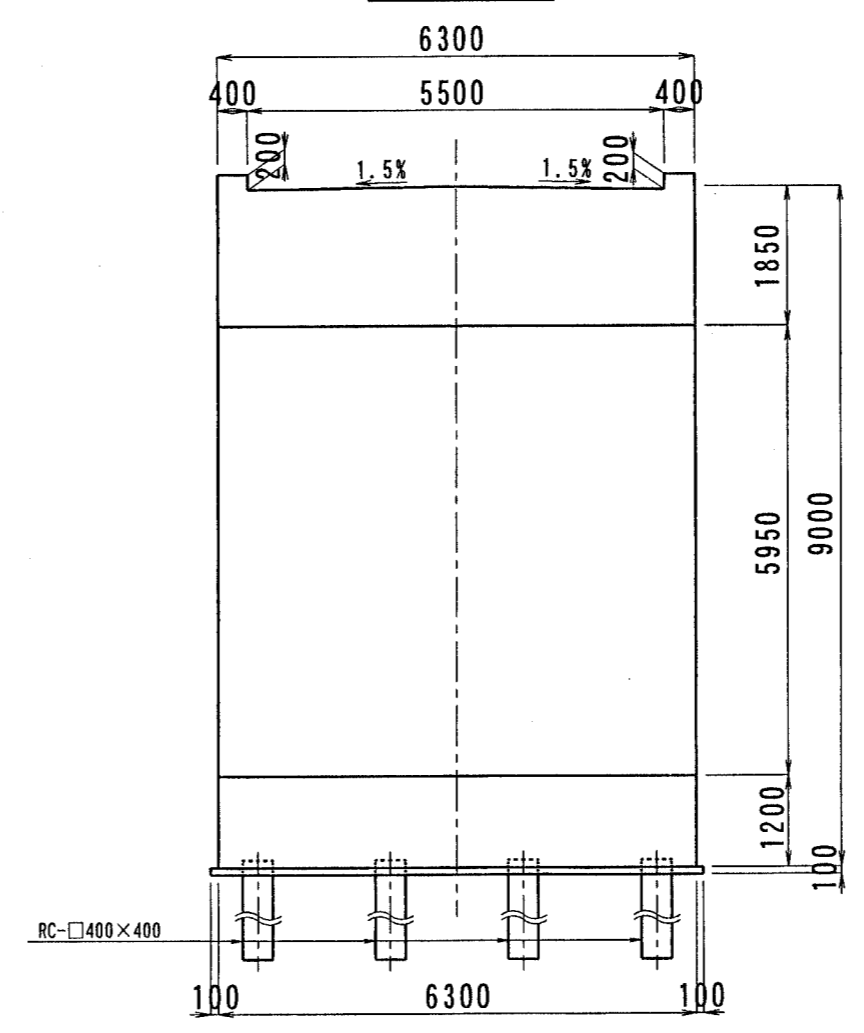
PROFILE
S=1/400



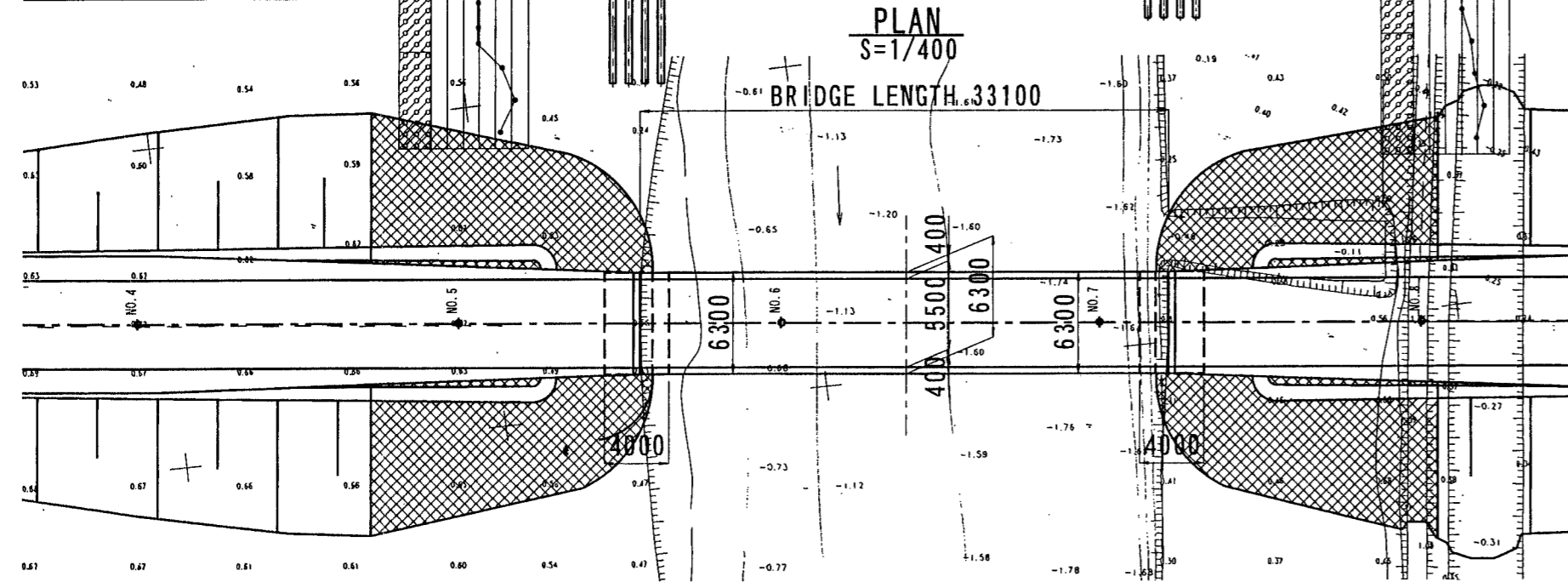
CROSS SECTION FOR PC GIRDER
S=1/100



FRONT VIEW
S=1/100
ABUTMENT



GRADE	
PROPOSED HEIGHT	
GROUND HEIGHT	
STATION	



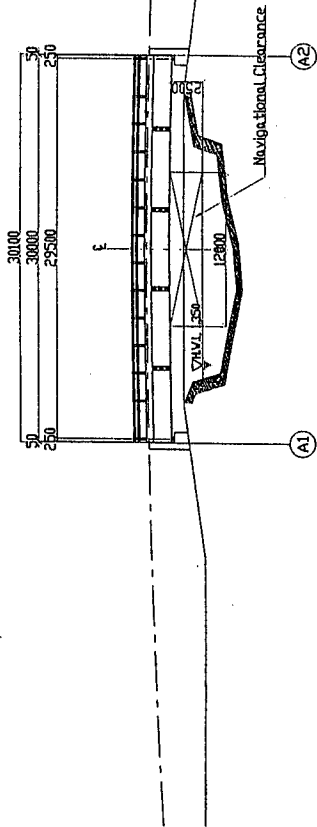
DESIGN CRITERIA		
General Condition		
Design Speed	V=40km/h	
Bridge Length (Span Length)	33.10m (32.20m)	
Clearance (H, B)	3.5m x 20.0m	
Longitudinal Gradient	8.0% max	
Cross-fall of Carriage way	1.50%	
Super Structure Type	Prestressed Concrete	
Sub Structure Type	Abutment	Reinforced Concrete
	Pier	Reinforced Concrete
Foundation Type	RC-400x400	
Material Strength		
Super Structure Type	Girder	$\sigma_{28}=400\text{kgf/cm}^2$
	Cross Beam	$\sigma_{28}=300\text{kgf/cm}^2$
	Slab	$\sigma_{28}=300\text{kgf/cm}^2$
Surface	Asphalt	5cm
	Curb, Wall	$\sigma_{28}=300\text{kgf/cm}^2$
Sub Structure Type	$\sigma_{28}=200\text{kgf/cm}^2$	
Reinforcing Steel	SD295 ($\rho_y=30\text{kg/mm}^2$)	

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEKONG DELTA AREA		
Japan International Cooperation Agency (JICA)	Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	Scale	Drawing No.
Br. No. (58) Ap An Binh Bridge (General View of the Bridge)	1/400, 1/100	

Appendix 11.
General View of Bridges (including approach roads)
for Steel Girder Supply

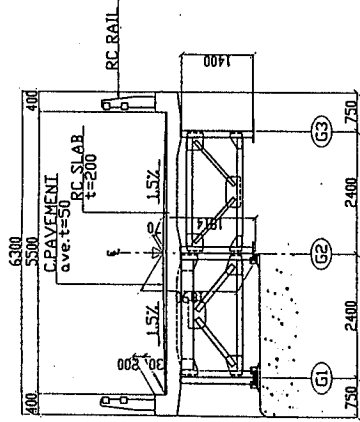
Br.No10 Xeo Dua Bridge
(General View of the Bridge)

PROFILE
SCALE=1/200

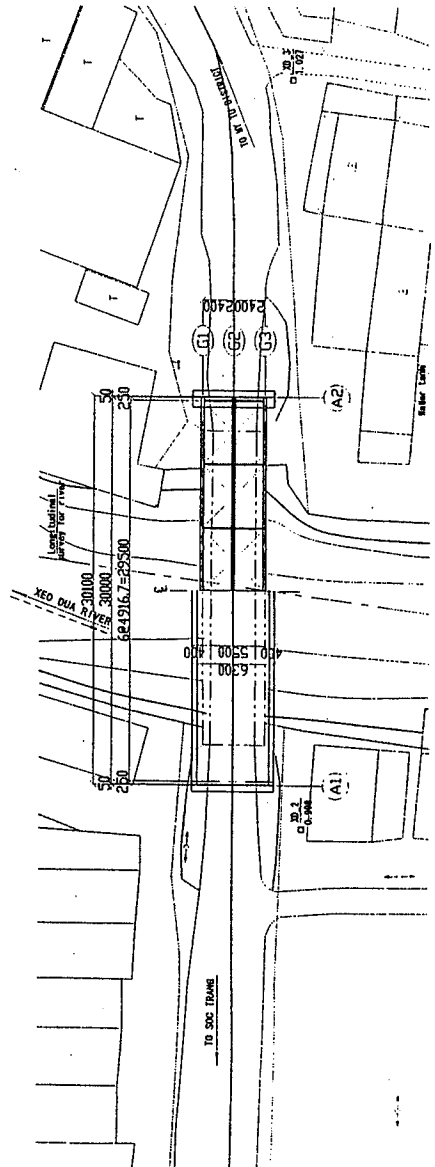


GRADE	PROPOSED HIGH	GROUND HIGH	DISTANCE	MARKER
	1588	150	3813	L1
	1632	537	4632	A1
	1632	283	5022	H1
	1632	283	7430	H2
	1632	537	7725	A2
	1632	147	8537	C1
	1632	121	9104	T1

SECTION
SCALE=1/50



PLAN
SCALE=1/200



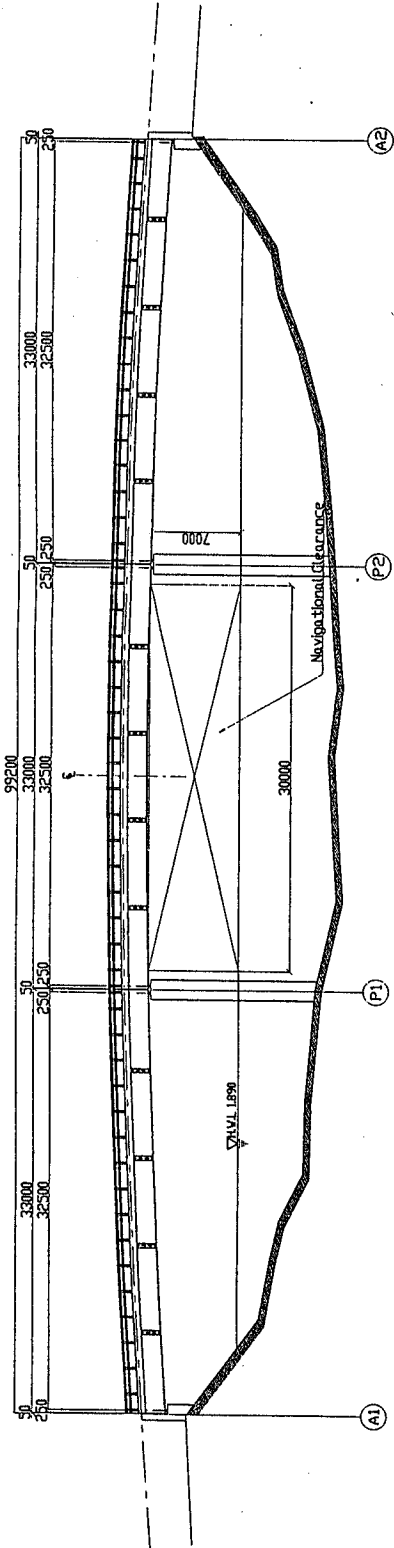
DESIGN CRITERIA

General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	30.1m
Clear Width	5.5m
Longitudinal Gradient	8.0%max
Cross-fall of Carriage way	1.5%
Super Structure Type	Steel
Abutment Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe 408.4mm
Material Strength	
Grider	f _y =2100kg/cm ²
Cross Beam	f _c =1400kg/cm ²
Sub	f _c =300kg/cm ²
C/Pavement	area=5cm
Sub Structure Type	f _c =28-300kg/cm ² f _c =28-200kg/cm ² S285(17-30kg/cm ²)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEGHNA DELTA AREA	
Asian International Cooperation Agency (AICA)	Ministry of Transport
Pacific Consultants International	The Socialist Republic of Vietnam
Drawing Title	Scale
General Title of Xeo Dua Bridge	1/200, 1/50
	Drawing No.

Br.No11 Sain tard Bridge
(General View of the Bridge)

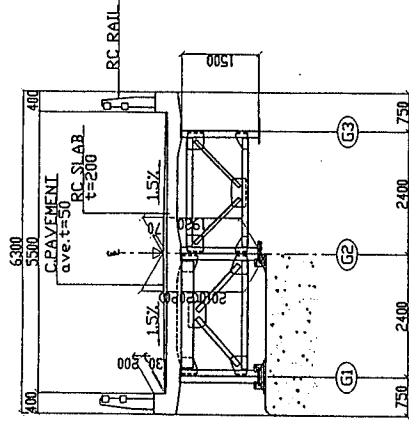
PROFILE
SCALE=1/200



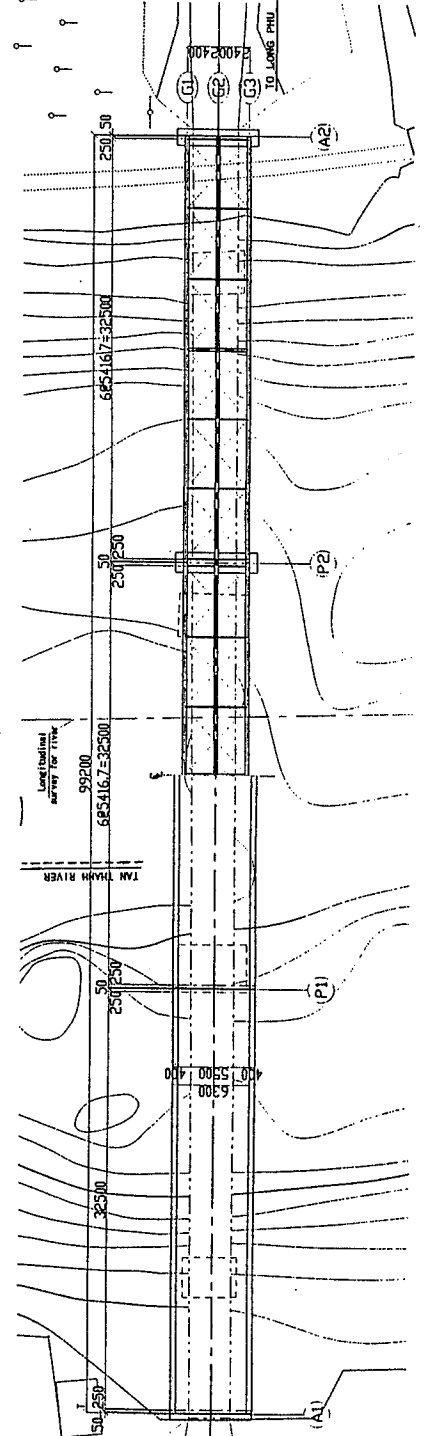
GRADE	PROPOSED HEIGHT	GROUND HEIGHT	DISTANCE	MARKER
3.00	3.00	3.00	0	A1
3.00	3.00	3.00	1000	
3.00	3.00	3.00	2000	
3.00	3.00	3.00	3000	
3.00	3.00	3.00	4000	
3.00	3.00	3.00	5000	
3.00	3.00	3.00	6000	
3.00	3.00	3.00	7000	
3.00	3.00	3.00	8000	
3.00	3.00	3.00	9000	
3.00	3.00	3.00	10000	
3.00	3.00	3.00	11000	
3.00	3.00	3.00	12000	
3.00	3.00	3.00	13000	
3.00	3.00	3.00	14000	
3.00	3.00	3.00	15000	
3.00	3.00	3.00	16000	
3.00	3.00	3.00	17000	
3.00	3.00	3.00	18000	
3.00	3.00	3.00	19000	
3.00	3.00	3.00	20000	
3.00	3.00	3.00	21000	
3.00	3.00	3.00	22000	
3.00	3.00	3.00	23000	
3.00	3.00	3.00	24000	
3.00	3.00	3.00	25000	
3.00	3.00	3.00	26000	
3.00	3.00	3.00	27000	
3.00	3.00	3.00	28000	
3.00	3.00	3.00	29000	
3.00	3.00	3.00	30000	
3.00	3.00	3.00	31000	
3.00	3.00	3.00	32000	
3.00	3.00	3.00	33000	
3.00	3.00	3.00	34000	
3.00	3.00	3.00	35000	
3.00	3.00	3.00	36000	
3.00	3.00	3.00	37000	
3.00	3.00	3.00	38000	
3.00	3.00	3.00	39000	
3.00	3.00	3.00	40000	
3.00	3.00	3.00	41000	
3.00	3.00	3.00	42000	
3.00	3.00	3.00	43000	
3.00	3.00	3.00	44000	
3.00	3.00	3.00	45000	
3.00	3.00	3.00	46000	
3.00	3.00	3.00	47000	
3.00	3.00	3.00	48000	
3.00	3.00	3.00	49000	
3.00	3.00	3.00	50000	
3.00	3.00	3.00	51000	
3.00	3.00	3.00	52000	
3.00	3.00	3.00	53000	
3.00	3.00	3.00	54000	
3.00	3.00	3.00	55000	
3.00	3.00	3.00	56000	
3.00	3.00	3.00	57000	
3.00	3.00	3.00	58000	
3.00	3.00	3.00	59000	
3.00	3.00	3.00	60000	
3.00	3.00	3.00	61000	
3.00	3.00	3.00	62000	
3.00	3.00	3.00	63000	
3.00	3.00	3.00	64000	
3.00	3.00	3.00	65000	
3.00	3.00	3.00	66000	
3.00	3.00	3.00	67000	
3.00	3.00	3.00	68000	
3.00	3.00	3.00	69000	
3.00	3.00	3.00	70000	
3.00	3.00	3.00	71000	
3.00	3.00	3.00	72000	
3.00	3.00	3.00	73000	
3.00	3.00	3.00	74000	
3.00	3.00	3.00	75000	
3.00	3.00	3.00	76000	
3.00	3.00	3.00	77000	
3.00	3.00	3.00	78000	
3.00	3.00	3.00	79000	
3.00	3.00	3.00	80000	
3.00	3.00	3.00	81000	
3.00	3.00	3.00	82000	
3.00	3.00	3.00	83000	
3.00	3.00	3.00	84000	
3.00	3.00	3.00	85000	
3.00	3.00	3.00	86000	
3.00	3.00	3.00	87000	
3.00	3.00	3.00	88000	
3.00	3.00	3.00	89000	
3.00	3.00	3.00	90000	
3.00	3.00	3.00	91000	
3.00	3.00	3.00	92000	
3.00	3.00	3.00	93000	
3.00	3.00	3.00	94000	
3.00	3.00	3.00	95000	
3.00	3.00	3.00	96000	
3.00	3.00	3.00	97000	
3.00	3.00	3.00	98000	
3.00	3.00	3.00	99000	
3.00	3.00	3.00	100000	

SECTION
SCALE=1/50

PI~PK(A1~P1,P2~A2)



PLAN
SCALE=1/200



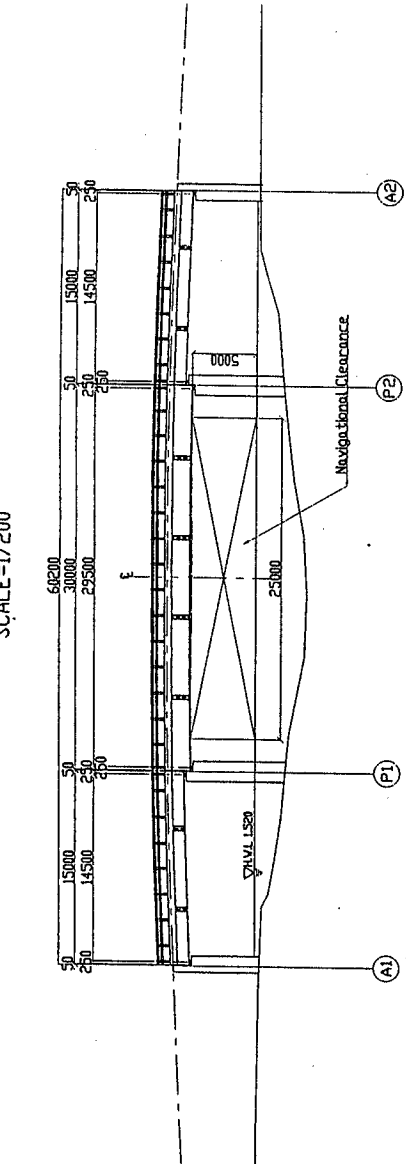
DESIGN CRITERIA

General Condition		Tr=40km/h
Design Speed		40km/h
Bridge Length (Span Length)		97.2m
Clear Width		3.5m
Longitudinal Gradient		0.02m
Grade - Fall of Camber way		1.5%
Super Structure Type		Steel
Sub Structure Type		Reinforced Concrete
Foundation Type		Reinforced Concrete Square 40x40cm.
Material Strength		
Steel		f _y =235N/mm ²
Concrete		f _c =14N/mm ²
Sub		f _c =20N/mm ²
Deck		f _c =20N/mm ²
Surfaces		f _c =20N/mm ²
Sub Structure Type		f _c =20N/mm ²
Reinforcing Steel		S235 (f _y =235N/mm ²)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEXICO DATA AREA	
Agency International Cooperation Agency (ITA)	
Ministry of Transport	
The Socialist Republic of Vietnam	
Pacific Consultants International	
Drawing Title	
Scale	
General View of Sain Tard Bridge	
1/200, 1/50	
Drawing No.	

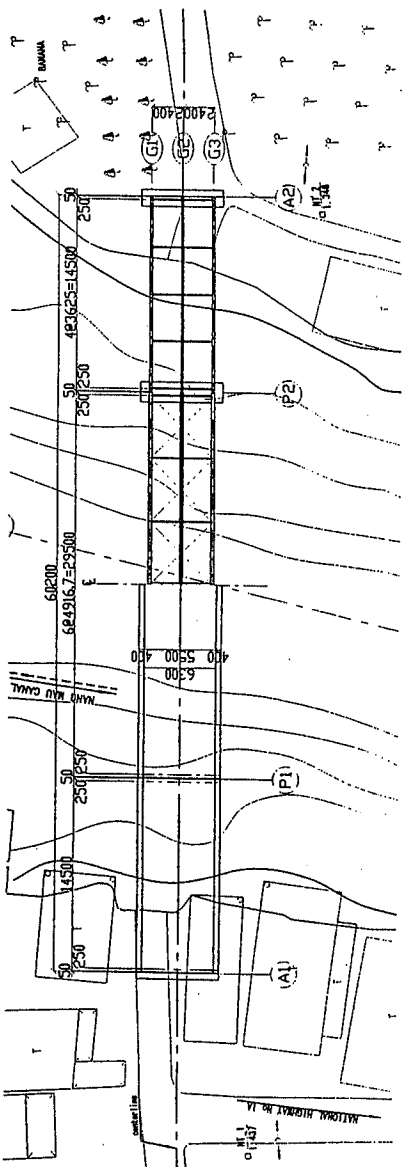
Br.No14 Nga Tu Bridge
(General View of the Bridge)

PROFILE
SCALE=1/200

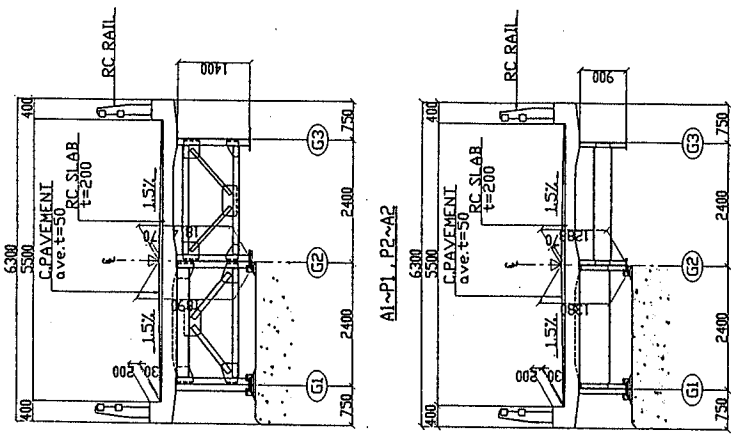


GRADE	PROPOSED HIGHT	GROUND HIGHT	DISTANCE	MARKER
VI-15000	25000	13900	0	A1
VI-15000	25000	13900	100	
VI-15000	25000	13900	200	
VI-15000	25000	13900	300	
VI-15000	25000	13900	400	
VI-15000	25000	13900	500	
VI-15000	25000	13900	600	
VI-15000	25000	13900	700	
VI-15000	25000	13900	800	
VI-15000	25000	13900	900	
VI-15000	25000	13900	1000	
VI-15000	25000	13900	1100	
VI-15000	25000	13900	1200	
VI-15000	25000	13900	1300	
VI-15000	25000	13900	1400	
VI-15000	25000	13900	1500	
VI-15000	25000	13900	1600	
VI-15000	25000	13900	1700	
VI-15000	25000	13900	1800	
VI-15000	25000	13900	1900	
VI-15000	25000	13900	2000	
VI-15000	25000	13900	2100	
VI-15000	25000	13900	2200	
VI-15000	25000	13900	2300	
VI-15000	25000	13900	2400	
VI-15000	25000	13900	2500	
VI-15000	25000	13900	2600	
VI-15000	25000	13900	2700	
VI-15000	25000	13900	2800	
VI-15000	25000	13900	2900	
VI-15000	25000	13900	3000	
VI-15000	25000	13900	3100	
VI-15000	25000	13900	3200	
VI-15000	25000	13900	3300	
VI-15000	25000	13900	3400	
VI-15000	25000	13900	3500	
VI-15000	25000	13900	3600	
VI-15000	25000	13900	3700	
VI-15000	25000	13900	3800	
VI-15000	25000	13900	3900	
VI-15000	25000	13900	4000	
VI-15000	25000	13900	4100	
VI-15000	25000	13900	4200	
VI-15000	25000	13900	4300	
VI-15000	25000	13900	4400	
VI-15000	25000	13900	4500	
VI-15000	25000	13900	4600	
VI-15000	25000	13900	4700	
VI-15000	25000	13900	4800	
VI-15000	25000	13900	4900	
VI-15000	25000	13900	5000	
VI-15000	25000	13900	5100	
VI-15000	25000	13900	5200	
VI-15000	25000	13900	5300	
VI-15000	25000	13900	5400	
VI-15000	25000	13900	5500	
VI-15000	25000	13900	5600	
VI-15000	25000	13900	5700	
VI-15000	25000	13900	5800	
VI-15000	25000	13900	5900	
VI-15000	25000	13900	6000	
VI-15000	25000	13900	6100	
VI-15000	25000	13900	6200	
VI-15000	25000	13900	6300	
VI-15000	25000	13900	6400	
VI-15000	25000	13900	6500	
VI-15000	25000	13900	6600	
VI-15000	25000	13900	6700	
VI-15000	25000	13900	6800	
VI-15000	25000	13900	6900	
VI-15000	25000	13900	7000	
VI-15000	25000	13900	7100	
VI-15000	25000	13900	7200	
VI-15000	25000	13900	7300	
VI-15000	25000	13900	7400	
VI-15000	25000	13900	7500	
VI-15000	25000	13900	7600	
VI-15000	25000	13900	7700	
VI-15000	25000	13900	7800	
VI-15000	25000	13900	7900	
VI-15000	25000	13900	8000	
VI-15000	25000	13900	8100	
VI-15000	25000	13900	8200	
VI-15000	25000	13900	8300	
VI-15000	25000	13900	8400	
VI-15000	25000	13900	8500	
VI-15000	25000	13900	8600	
VI-15000	25000	13900	8700	
VI-15000	25000	13900	8800	
VI-15000	25000	13900	8900	
VI-15000	25000	13900	9000	
VI-15000	25000	13900	9100	
VI-15000	25000	13900	9200	
VI-15000	25000	13900	9300	
VI-15000	25000	13900	9400	
VI-15000	25000	13900	9500	
VI-15000	25000	13900	9600	
VI-15000	25000	13900	9700	
VI-15000	25000	13900	9800	
VI-15000	25000	13900	9900	
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PLAN
SCALE=1/200



SECTION
SCALE=1/50
PI-P2



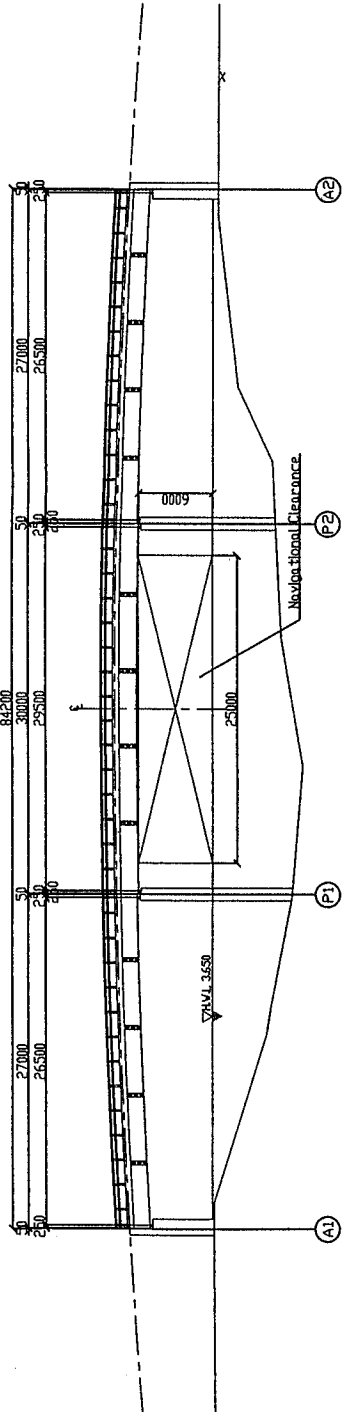
DESIGN CRITERIA

General Condition	Y=40km/h
Design Speed	40km/h
Bridge Length (Span Length)	80.2m
Clear Width	6.5m
Longitudinal Gradient	8.0%max
Cross-fall of Concrete way	1.5%
Super Structure Type	Steel
Sub Structure Type	Reinforced Concrete
Abutment	Reinforced Concrete
Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm
Material Strength	Steel Pipe 400x4mm
Super Structure Type	Deck
Cross Beam	e=2000kg/cm ²
Sub	e=1400kg/cm ²
C.Pavement	e=28-300kg/cm ²
Surface	ava.1=5cm
Sub Structure Type	e=28-300kg/cm ²
Reinforcing Steel	e=28-200kg/cm ²
	S2025(17-30kg/1mm ²)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEGONG DELTA AREA	
Asian International Cooperation Agency (AICA)	
Ministry of Transport	
The Socialist Republic of Vietnam	
Pacific Consultants International	
Drawing Title	Scale
General Title of Nga Tu Bridge	1/200, 1/50
	Drawing No.

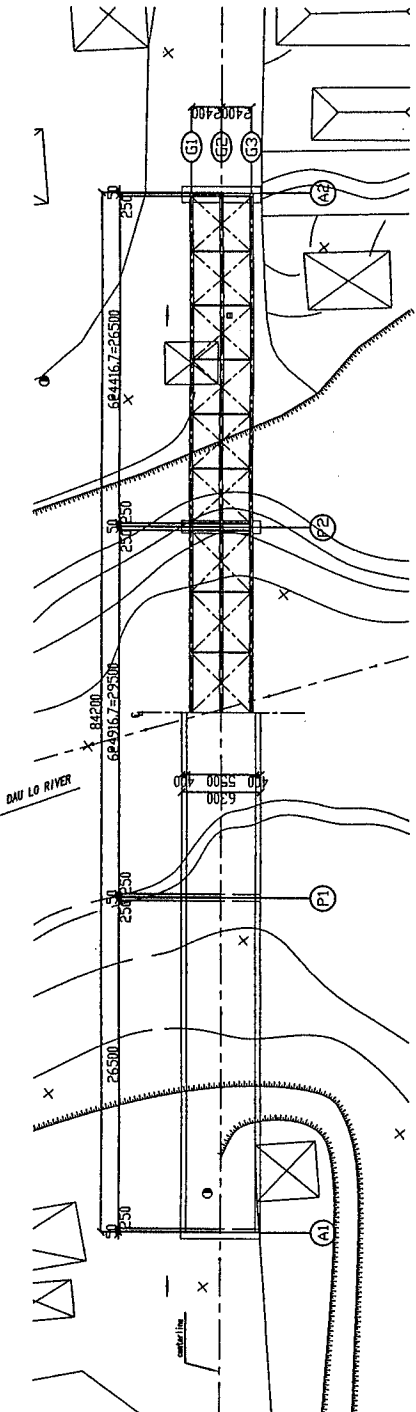
Br.No19 Soc Triet Bridge (General View of the Bridge)

PROFILE
SCALE=1/200

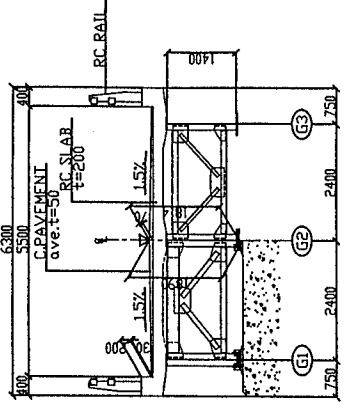


GRADE	PROPOSED HEIGHT	GROUND HEIGHT	DISTANCE	MARKER
84200				
30000				
27000				
26500				
25000				
23000				
18380				
16000	3560			
15790				
15118				
14618				
14118				
13618				
13118				
12618				
12118				
11618				
11118				
10618				
10118				
9618				
9118				
8618				
8118				
7618				
7118				
6618				
6118				
5618				
5118				
4618				
4118				
3618				
3118				
2618				
2118				
1618				
1118				
618				
118				

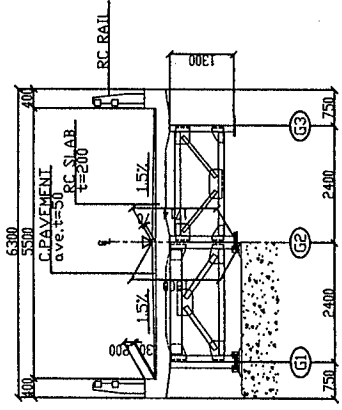
PLAN
SCALE=1/200



SECTION
SCALE=1/50
PI-P2



AI-P1, P2-A2



DESIGN CRITERIA

Design Speed	70 km/h
Span Length (Span Length)	24.00m
Clearance	5.5m
Longitudinal Gradient	6.0%
Cross-fall of Carriageway	1.5%
Super Structure Type	Steel
Sub Structure Type	Reinforced Concrete
Foundation Type	Reinforced Concrete Square Abutment
Material Strength	Steel Type #408, 40m
Super Structure Type	Steel
Concrete	#28-300kg/cm ²
Surface	#28-300kg/cm ²
Sub Structure Type	Reinforced Concrete
Reinforcing Steel	#28-300kg/cm ²

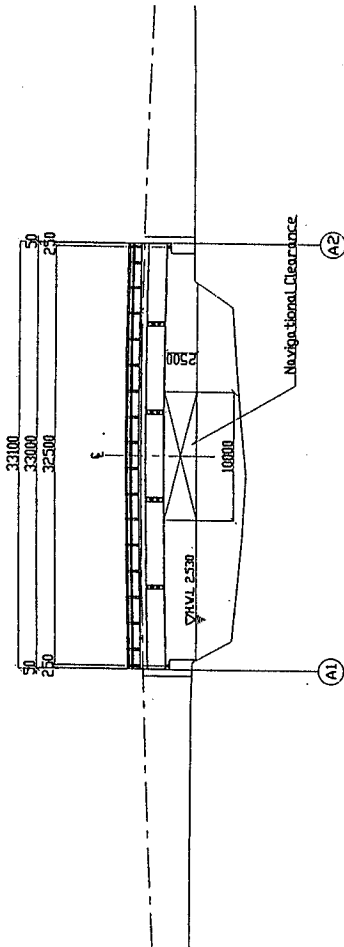
**BASIC DESIGN STUDY ON THE PROJECT FOR
CONSTRUCTION OF BRIDGES IN KHEPONG DELTA AREA**

Asian International Cooperation Agency (AICA)
Ministry of Transport
The Socialist Republic of Vietnam

Project Title: Soc Triet Bridge
Scale: 1/200, 1/50
Drawing No.:

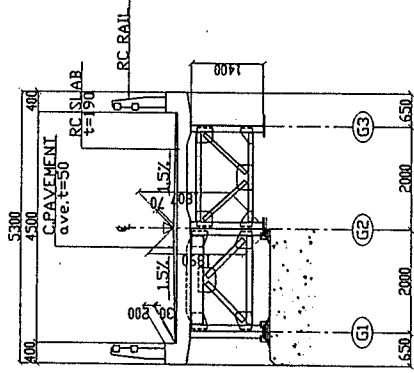
Br.No20 Cai noi Bridge
(General View of the Bridge)

PROFILE
SCALE=1/200

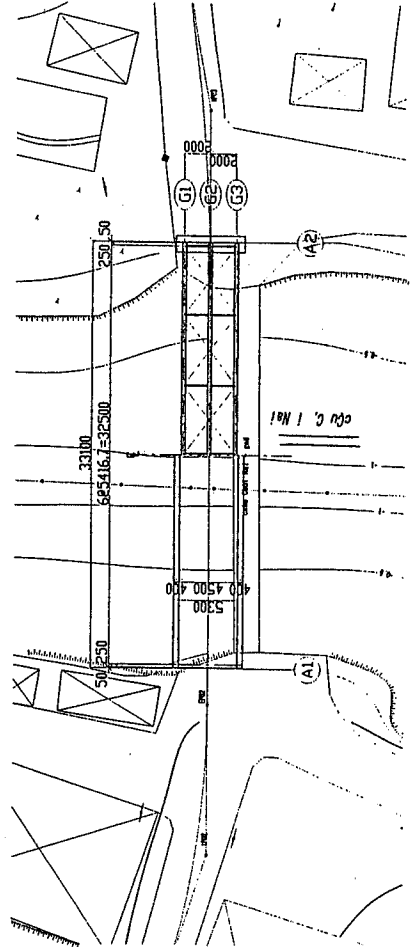


GRADE	PROPOSED HEIGHT	GROUND HEIGHT	DISTANCE	MARKER
BP2	9568	893		
BP1	9548	888	6671	
SI	9049	821		
SC	8836	699		
CS	9333	122		
CI	9300	685		
S4	9784	888		
S3	10214	439		
S2	10635	428		
S1	10856	276		
AP	11150	6471		

SECTION
SCALE=1/50



PLAN
SCALE=1/200



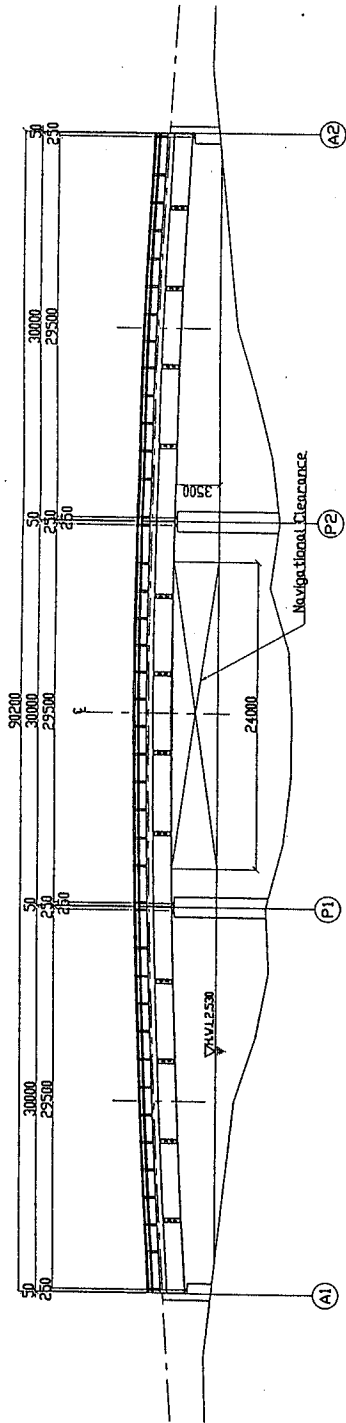
DESIGN CRITERIA

General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	33.1m
Clear Width	4.5m
Longitudinal Gradient	0.02max
Cross-fall of Carriageway	1.5%
Super Structure Type	Steel
Sub Structure Type	Reinforced Concrete
Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe 400, 6mm
Material Strength	
Super Structure Type	Steel
Deck	f _y =510N/mm ²
Beam	f _y =400N/mm ²
Sub	f _y =235N/mm ²
C/Pavement	ave. 1=5cm
Curb Wall	f _y =235N/mm ²
Sub Structure Type	f _y =235N/mm ²
Reinforcing Steel	SP205 (σ _s =300N/mm ²)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN HAZARD ZONE AREA	
Japan International Cooperation Agency (JICA)	
Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	
Drawn: T. Ho	Scale
Checked: H. Ho	1/200
General Title of Cai Noi Bridge	1/50

Br.No22 Kenh Tu Bridge (General View of the Bridge)

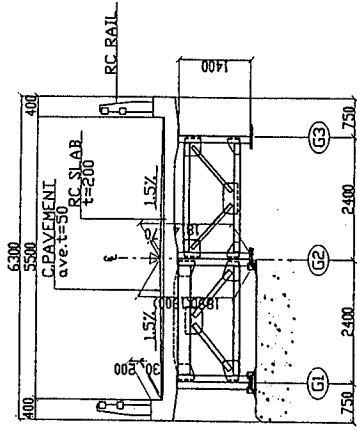
PROFILE
SCALE=1/200



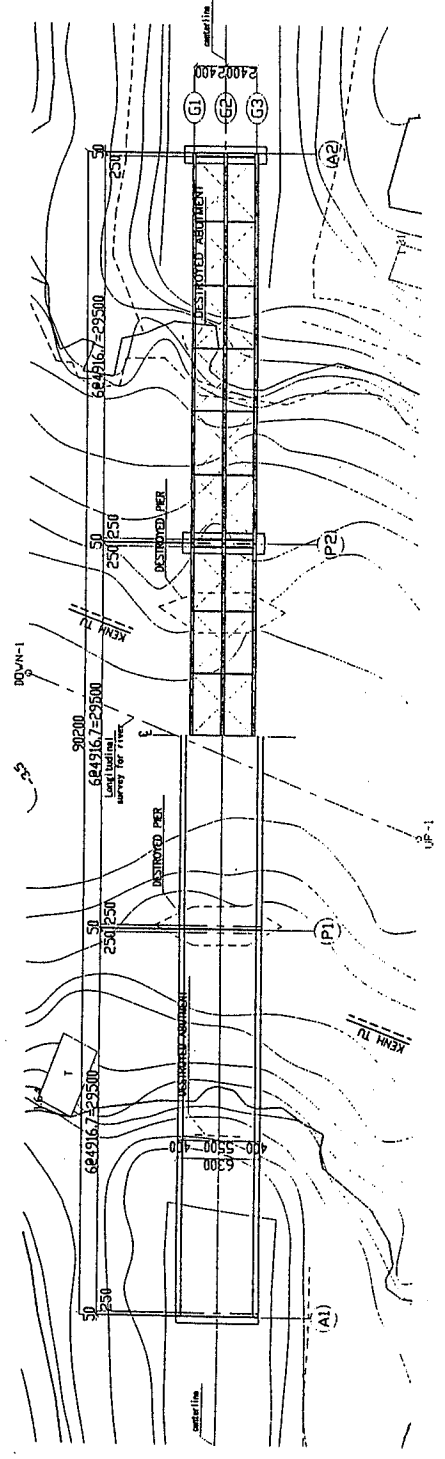
GRADE	PROPOSED HEIGHT	GROUND HEIGHT	DISTANCE	MARKER
6.84	230	230	0	A
7.00	250	250	135	P1
7.48	250	250	120	P2
7.90	250	250	790	P3
8.00	250	250	226	P4
8.50	250	250	320	P5
9.00	250	250	324	P6
9.50	250	250	297	P7
10.00	250	250	151	P8
10.50	250	250	219	P9
11.00	250	250	133	P10
11.50	250	250	231	P11
12.00	250	250	113	P12
12.50	250	250	790	P13
13.10	250	250	113	P14
13.50	250	250	113	P15
14.00	250	250	113	P16
14.50	250	250	113	P17
15.00	250	250	113	P18
15.50	250	250	113	P19
16.00	250	250	113	P20
16.50	250	250	113	P21
17.00	250	250	113	P22
17.50	250	250	113	P23
18.00	250	250	113	P24
18.50	250	250	113	P25
19.00	250	250	113	P26
19.50	250	250	113	P27
20.00	250	250	113	P28
20.50	250	250	113	P29
21.00	250	250	113	P30
21.50	250	250	113	P31
22.00	250	250	113	P32
22.50	250	250	113	P33
23.00	250	250	113	P34
23.50	250	250	113	P35
24.00	250	250	113	P36
24.50	250	250	113	P37
25.00	250	250	113	P38
25.50	250	250	113	P39
26.00	250	250	113	P40
26.50	250	250	113	P41
27.00	250	250	113	P42
27.50	250	250	113	P43
28.00	250	250	113	P44
28.50	250	250	113	P45
29.00	250	250	113	P46
29.50	250	250	113	P47
30.00	250	250	113	P48
30.50	250	250	113	P49
31.00	250	250	113	P50
31.50	250	250	113	P51
32.00	250	250	113	P52
32.50	250	250	113	P53
33.00	250	250	113	P54
33.50	250	250	113	P55
34.00	250	250	113	P56
34.50	250	250	113	P57
35.00	250	250	113	P58
35.50	250	250	113	P59
36.00	250	250	113	P60
36.50	250	250	113	P61
37.00	250	250	113	P62
37.50	250	250	113	P63
38.00	250	250	113	P64
38.50	250	250	113	P65
39.00	250	250	113	P66
39.50	250	250	113	P67
40.00	250	250	113	P68
40.50	250	250	113	P69
41.00	250	250	113	P70
41.50	250	250	113	P71
42.00	250	250	113	P72
42.50	250	250	113	P73
43.00	250	250	113	P74
43.50	250	250	113	P75
44.00	250	250	113	P76
44.50	250	250	113	P77
45.00	250	250	113	P78
45.50	250	250	113	P79
46.00	250	250	113	P80
46.50	250	250	113	P81
47.00	250	250	113	P82
47.50	250	250	113	P83
48.00	250	250	113	P84
48.50	250	250	113	P85
49.00	250	250	113	P86
49.50	250	250	113	P87
50.00	250	250	113	P88
50.50	250	250	113	P89
51.00	250	250	113	P90
51.50	250	250	113	P91
52.00	250	250	113	P92
52.50	250	250	113	P93
53.00	250	250	113	P94
53.50	250	250	113	P95
54.00	250	250	113	P96
54.50	250	250	113	P97
55.00	250	250	113	P98
55.50	250	250	113	P99
56.00	250	250	113	P100

SECTION
SCALE=1/50

P1~P2(A1~P1,P2~A2)



PLAN
SCALE=1/200



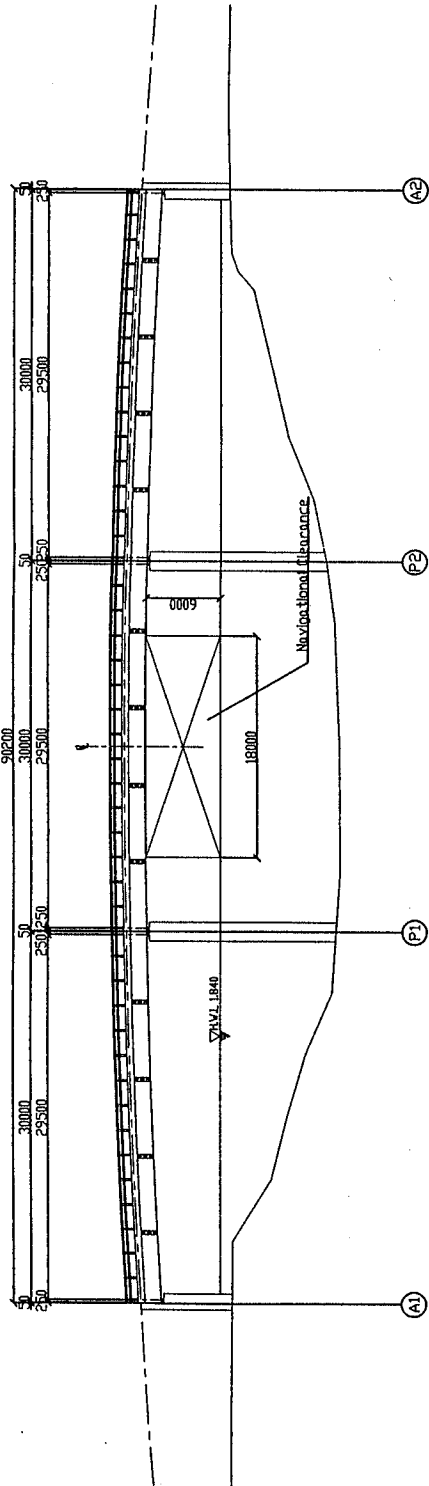
DESIGN CRITERIA

Design Speed	V=40km/h
Bridge Length (Span Length)	60.2m
Clear Width	5.5m
Longitudinal Gradient	0.075max
Cross-Fall of Carriageway	1.50%
Super Structure Type	Steel
Sub Structure Type	Reinforced Concrete
Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe 408. Ann.
Material Strength	
Super Structure Type	Girder
Cross Beam	Steel
Sub	Reinforced Concrete
C/Pavement	area L=5cm
Curb, Rail	area L=5cm
Sub Structure Type	Reinforced Concrete
Reinforcing Steel	area L=5cm

ALSO DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN HANGUO AREA	
Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	
Drawing Title	Scale
General View of Kenh Tu Bridge	1/200 . 1/50
Drawing No.	Drawing No.

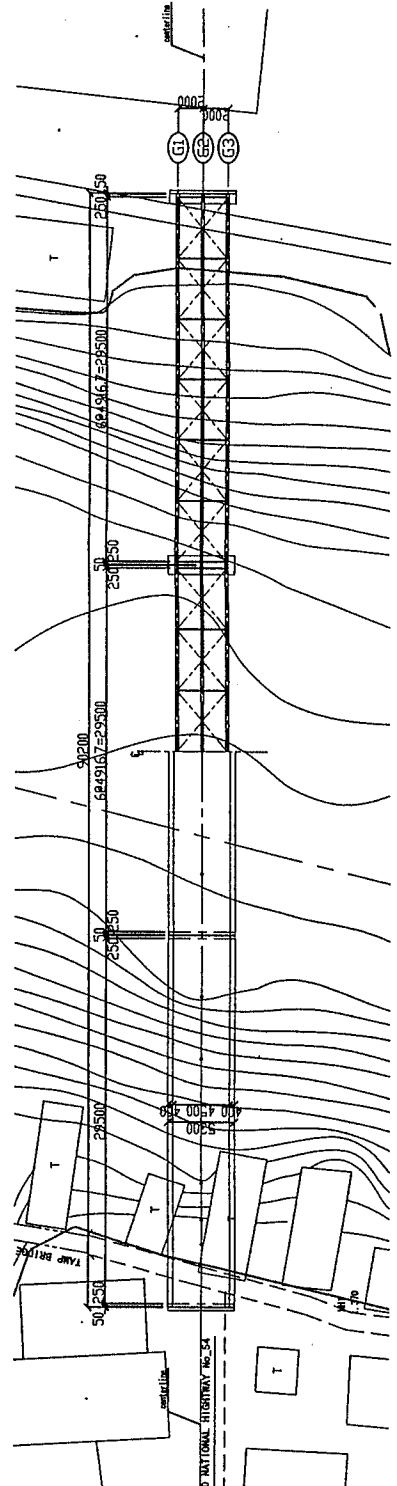
Br.No25 My Hoa Bridge
(General View of the Bridge)

PROFILE
SCALE=1/200

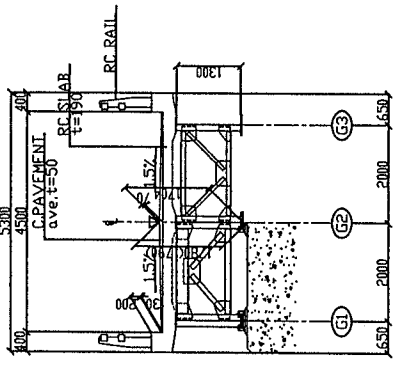


GRADE	PROPOSED HEIGHT	GROUND HEIGHT	DISTANCE	MARKER
M	44.50	82.82		
C3	30.00	131		
C2	25.00	227		
C1	25.00	162		
1	25.00	162		
2	64.00	287		
3	63.00	436		
4	70.00	652		
5	74.98	948		
6	80.00	718		
7	100.00	676		
8	105.00	607	9448	
9	118.00	302		
10	115.00	297		
11	120.00	192		
C2	27.00	415		
C1	26.50	118		
A2	126.10	8242		

PLAN
SCALE=1/200



SECTION
SCALE=1/50
P1~P2(A1~A2)~A2



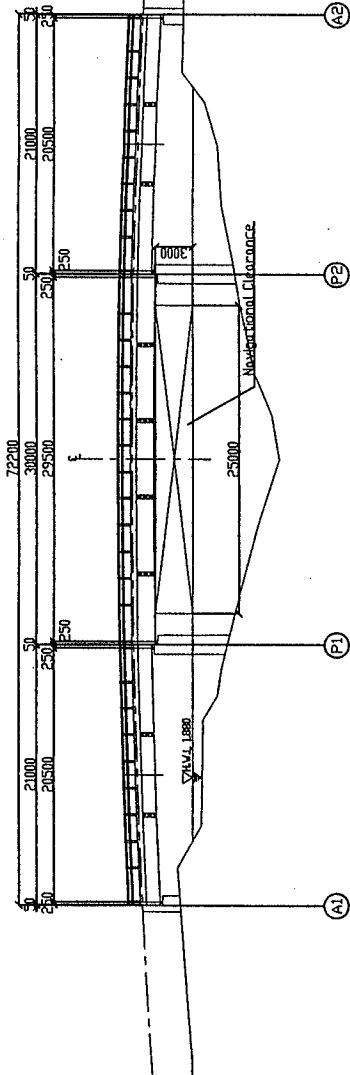
DESIGN CRITERIA

General Condition	Value/Unit
Bridge Speed	70 km/h
Bridge Length (Span Length)	42m
Construction Gradient	6.0%
Clearance	1.5%
Sub Structure Type	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm
Material Strength	Steel Pipe 4408 mm
Concrete	f _{ck} =200kg/cm ²
Steel	f _{yk} =400kg/cm ²
Surface	asph. 1.5cm
Sub Structure Type	Reinforced Concrete
Foundation Type	Reinforced Concrete

BASIC DESIGN STUDY ON THE PROJECT FOR
CONSTRUCTION OF BRIDGES IN MONG HUA AREA
Japan International Cooperation Agency (JICA)
Ministry of Transport
The Socialist Republic of Vietnam
Drawing Title
Scale
Drawing No.

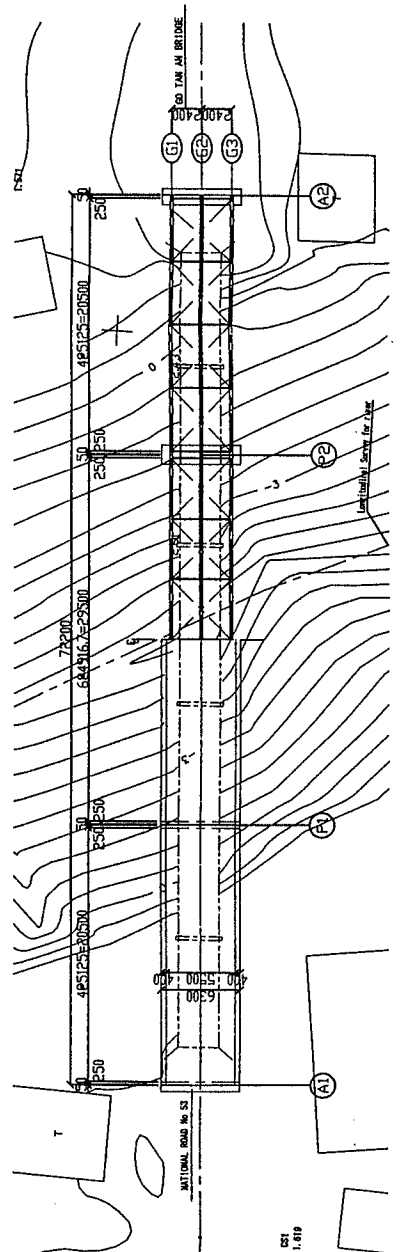
Br.No28 Suoi Bridge (General View of the Bridge)

PROFILE
SCALE=1/200

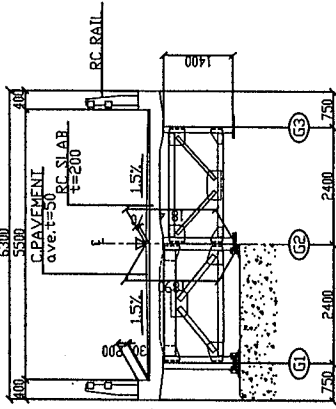


GRADE	PROPOSED HEIGHT	GROUND HEIGHT	DISTANCE	MARKER
A1	25.40	25.40	3.92	
M1	26.40	26.40	3.92	
S1	26.90	26.90	4.17	
S2	27.20	27.20	4.13	
S3	27.30	27.30	4.12	
P1	26.40	26.40	3.92	
S3	26.45	26.45	1.90	
S3	26.95	26.95	2.38	
L2	27.20	27.20	2.79	
S3	27.30	27.30	2.82	
S5	27.45	27.45	3.13	
S5	27.95	27.95	4.32	
S5	28.45	28.45	5.12	
P2	29.45	29.45	6.15	
S5	29.45	29.45	6.15	
S5	29.95	29.95	6.95	
S5	30.45	30.45	7.85	
M2	30.45	30.45	7.85	
A2	31.45	31.45	9.29	

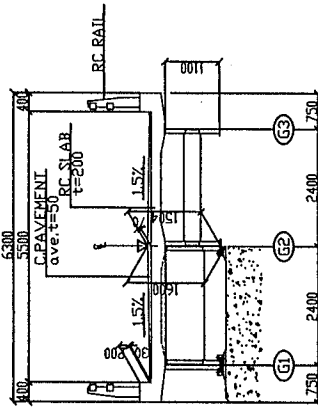
PLAN
SCALE=1/200



SECTION
SCALE=1/50
P1-P2



SECTION
SCALE=1/50
A1-A2



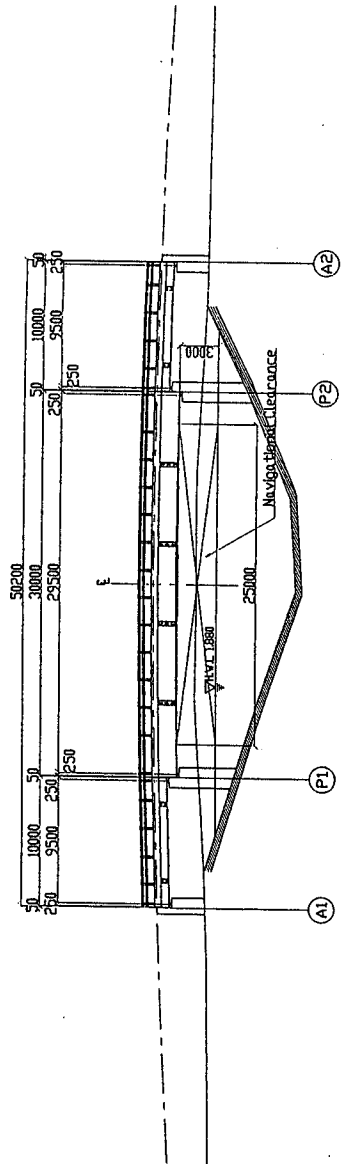
DESIGN CRITERIA

General Conditions	Value/Unit
Bridge Span	72.2m
Bridge Width (Span Length)	22.2m
Clear Width	5.5m
Longitudinal Gradient	6.00max
Cross-fall of Carriageway	1.5%
Super Structure Type	Steel
Sub Structure Type	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm
Material Strength	Steel: S275, 448, 448m
Concrete	C20/25, C25/30, C30/37, C35/45
Super Structure Type	Order: $\alpha=2100\text{kg}/\text{cm}^2$
Cross Beam	Order: $\alpha=1400\text{kg}/\text{cm}^2$
Sub	Order: $\alpha=28-300\text{kg}/\text{cm}^2$
Foundation	Order: $\alpha=1-5\text{cm}$
Surface	Order: $\alpha=28-300\text{kg}/\text{cm}^2$
Sub Structure Type	Order: $\alpha=28-300\text{kg}/\text{cm}^2$
Reinforcing Steel	Order: $\alpha=28-300\text{kg}/\text{cm}^2$

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN KAMPONG CHHAMP AREA	
Ministry of Transport The Socialist Republic of Vietnam	Drawing No. Scale Drawing No.
Japan International Cooperation Agency (JICA) Pacific Consultants International	Scale Drawing No.
General View of Suoi Bridge	Scale Drawing No.

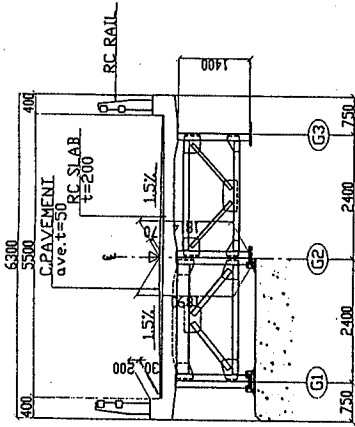
Br.No29 Dai Su Bridge
(General View of the Bridge)

PROFILE
SCALE=1/200

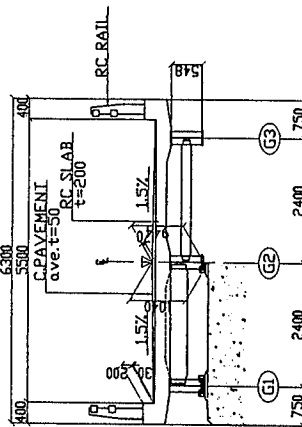


GRADE	PROPOSED HEIGHT	GROUND HEIGHT	DISTANCE	MARKER
	50,200	50,200	0	
	30,000	30,000	5,000	
	29,500	29,500	10,000	
	25,000	25,000	25,000	
	25,000	25,000	30,000	
	25,000	25,000	35,000	
	25,000	25,000	40,000	
	25,000	25,000	45,000	
	25,000	25,000	50,000	

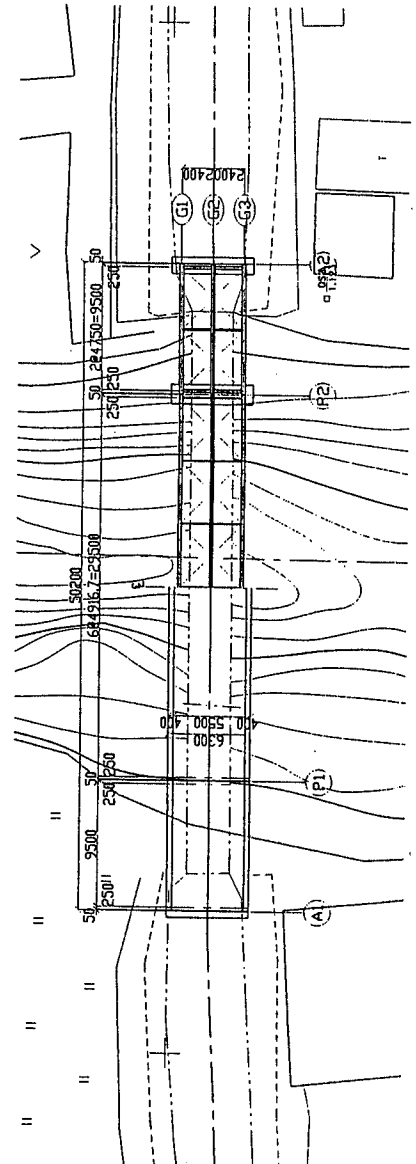
SECTION
SCALE=1/50
PI~P2



AI~PI, P2~A2



PLAN
SCALE=1/200



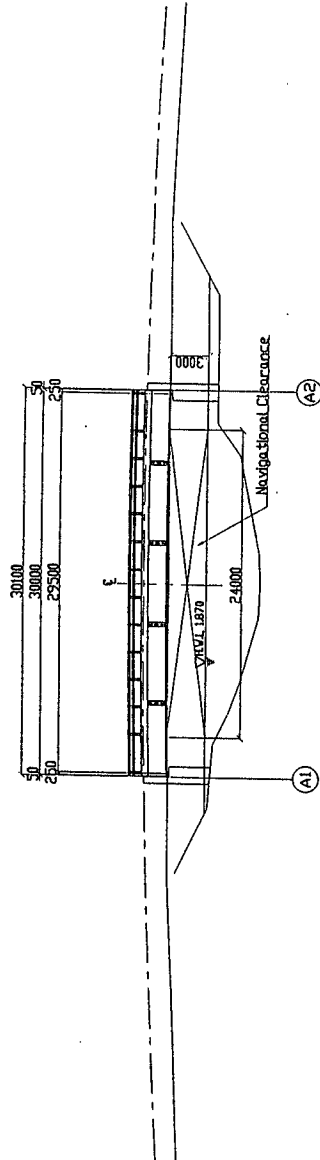
DESIGN CRITERIA

General Condition	Value
Design Speed	V=40km/h
Bridge Length (Span Length)	50.2m
Clear Width	5.5m
Longitudinal Gradient	8.0%max
Cross-fall of Carriageway	1.5%*
Super Structure Type	Steel
Sub Structure Type	Reinforced Concrete
Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe 440x4mm
Material Strength	
Concrete	f _c =2100kg/cm ²
Steel	f _s =2100kg/cm ²
Surface	f _s =2100kg/cm ²
Sub Structure Type	f _c =2100kg/cm ²
Reinforcing Steel	f _s =2100kg/cm ²

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN HONG KONG AREA	
Agency	Ministry of Transport The Socialist Republic of Vietnam
Client	Public Consultants International
Drawing Title	Scale
General View of Dai Su Bridge	1/200, 1/50
	Drawing No.

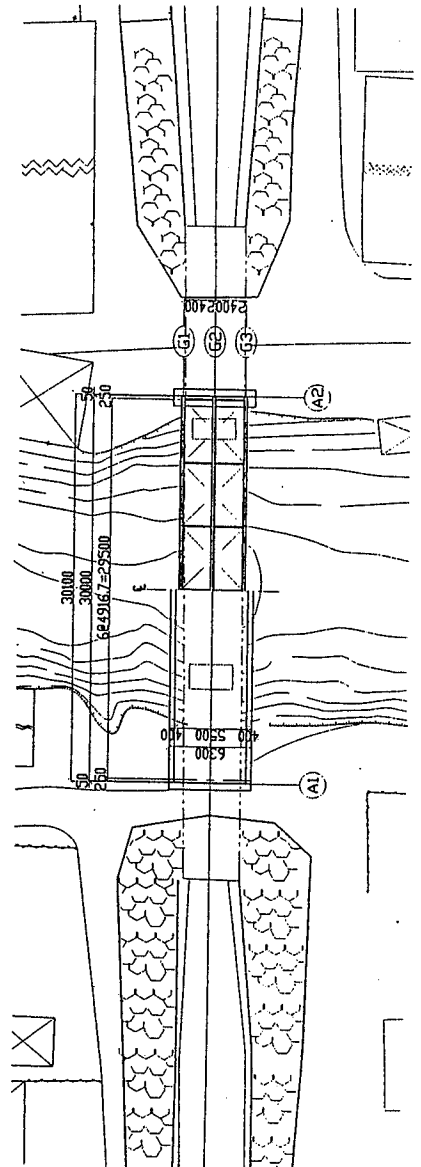
Br.No36 Huong My Bridge (General View of the Bridge)

PROFILE
SCALE=1/200

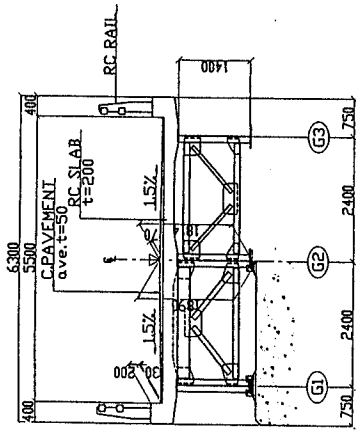


GRADE	PROPOSED HEIGHT	GROUND HEIGHT	DISTANCE	MARKER
30100	478	128	0	
30000	478	128	50	
25500	478	128	250	
24000	478	128	500	
1970	478	128	1970	
1500	478	128	2470	
1000	478	128	2970	
500	478	128	3470	
0	478	128	3970	
500	478	128	4470	
1000	478	128	4970	
1500	478	128	5470	
1970	478	128	5970	
24000	478	128	6470	
25500	478	128	6970	
30000	478	128	7470	
30100	478	128	7970	

PLAN
SCALE=1/200



SECTION
SCALE=1/50



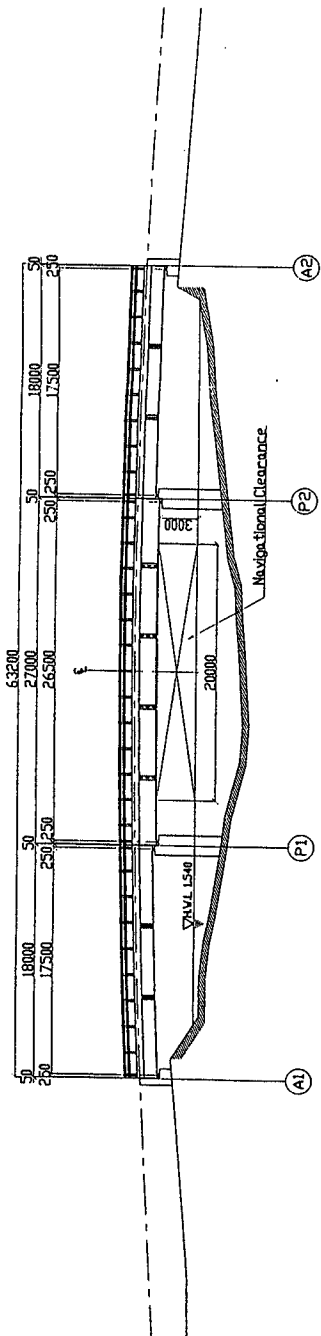
DESIGN CRITERIA

General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	30.1m
Clear Width	5.5m
Longitudinal Gradient	8.0%max
Grade - Fall of Carriage way	1.50%
Super Structure Type	Steel
Sub Structure Type	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe 406.4mm
Material Strength	
Grider	r=210kg/cm ²
Concrete	r=140kg/cm ²
Steel	r=28-300kg/cm ²
C/Pavement	r=28-300kg/cm ²
Curb Wall	r=28-300kg/cm ²
Sub Structure Type	r=28-300kg/cm ²
Reinforcing Steel	8025(σ=30kg/cm ²)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEGONG DELTA AREA	
Japan International Cooperation Agency (JICA)	
Ministry of Transport	
The Socialist Republic of Vietnam	
Pacific Consultants International	
Project Title	Scale
Drawing No.	1/200 - 1/50
Drawing No.	

Br.No37 Tan Tru Bridge
(General View of the Bridge)

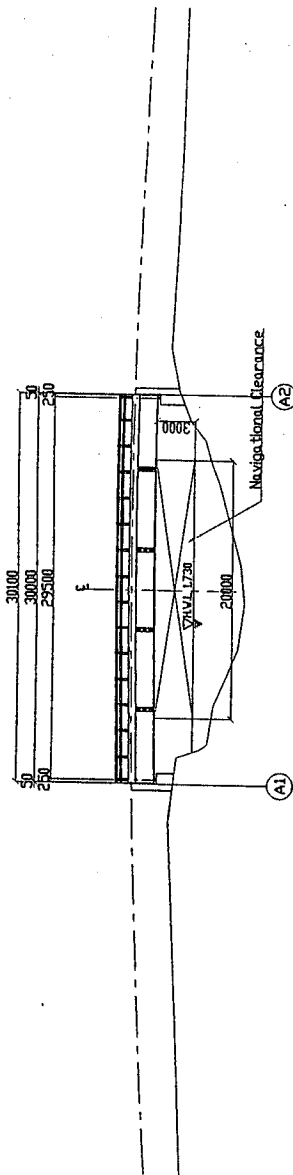
PROFILE
SCALE=1/200



GRADE	PROPOSED HEIGHT	GROUND HEIGHT	DISTANCE	MARKER
53200				A1
53140				A2
53110				A3
53050				A4
53000				A5
52950				A6
52900				A7
52850				A8
52800				A9
52750				A10
52700				A11
52650				A12
52600				A13
52550				A14
52500				A15
52450				A16
52400				A17
52350				A18
52300				A19
52250				A20
52200				A21
52150				A22
52100				A23
52050				A24
52000				A25
51950				A26
51900				A27
51850				A28
51800				A29
51750				A30
51700				A31
51650				A32
51600				A33
51550				A34
51500				A35
51450				A36
51400				A37
51350				A38
51300				A39
51250				A40
51200				A41
51150				A42
51100				A43
51050				A44
51000				A45
50950				A46
50900				A47
50850				A48
50800				A49
50750				A50
50700				A51
50650				A52
50600				A53
50550				A54
50500				A55
50450				A56
50400				A57
50350				A58
50300				A59
50250				A60
50200				A61
50150				A62
50100				A63
50050				A64
50000				A65
49950				A66
49900				A67
49850				A68
49800				A69
49750				A70
49700				A71
49650				A72
49600				A73
49550				A74
49500				A75
49450				A76
49400				A77
49350				A78
49300				A79
49250				A80
49200				A81
49150				A82
49100				A83
49050				A84
49000				A85
48950				A86
48900				A87
48850				A88
48800				A89
48750				A90
48700				A91
48650				A92
48600				A93
48550				A94
48500				A95
48450				A96
48400				A97
48350				A98
48300				A99
48250				A100
48200				A101
48150				A102
48100				A103
48050				A104
48000				A105
47950				A106
47900				A107
47850				A108
47800				A109
47750				A110
47700				A111
47650				A112
47600				A113
47550				A114
47500				A115
47450				A116
47400				A117
47350				A118
47300				A119
47250				A120
47200				A121
47150				A122
47100				A123
47050				A124
47000				A125
46950				A126
46900				A127
46850				A128
46800				A129
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46700				A131
46650				A132
46600				A133
46550				A134
46500				A135
46450				A136
46400				A137
46350				A138
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46250				A140
46200				A141
46150				A142
46100				A143
46050				A144
46000				A145
45950				A146
45900				A147
45850				A148
45800				A149
45750				A150
45700				A151
45650				A152
45600				A153
45550				A154
45500				A155
45450				A156
45400				A157
45350				A158
45300				A159
45250				A160
45200				A161
45150				A162
45100				A163
45050				A164
45000				A165
44950				A166
44900				A167
44850				A168
44800				A169
44750				A170
44700				A171
44650				A172
44600				A173
44550				A174
44500				A175
44450				A176
44400				A177
44350				A178
44300				A179
44250				A180
44200				A181
44150				A182
44100				A183
44050				A184
44000				A185
43950				A186
43900				A187
43850				A188
43800				A189
43750				A190
43700				A191
43650				A192
43600				A193
43550				A194
43500				A195
43450				A196
43400				A197
43350				A198
43300				A199
43250				A200
43200				A201
43150				A202
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42950				A206
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42850				A208
42800				A209
42750				A210
42700				A211
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42600				A213
42550				A214
42500				A215
42450				A216
42400				A217
42350				A218
42300				A219
42250				A220
42200				A221
42150				A222
42100				A223
42050				A224
42000				A225
41950				A226
41900				A227
41850				A228
41800				A229
41750				A230
41700				A231
41650				A232
41600				A233
41550				A234
41500				A235
41450				A236
41400				A237
41350				A238
41300				A239
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41150				A242
41100				A243
41050				A244
41000				A245
40950				A246
40900				A247
40850				A248
40800				A249
40750				A250
40700				A251
40650				A252
40600				A253
40550				A254
40500				A255
40450				A256
40400				A257
40350				A258
40300				A259
40250				A260
40200				A261
40150				A262
40100				A263
40050				A264
40000				A265
39950				A266
39900				A267
39850				A268
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39750				A270
39700				A271
39650				A272
39600				A273
39550				A274
39500				A275
39450				A276
39400				A277
39350				A278
39300				A279
39250				A280
39200				A281
39150				A282
39100				A283
39050				A284
39000				A285
38950				A286
38900				A287
38850				A288
38800				A289
38750				A290
38700				A291
38650				A292
38600				A293
38550				A294
38500				A295
38450				A296
38400				A297
38350				A298
38300				A299
38250				A300
38200				A301
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37900				A307
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37750				A310
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37550				A314
37500				A315
37450				A316
37400				A317
37350				A318
37300				A319
37250				A320
37200				A321
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36950				A326
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36750				A330
36700				A331
36650				A332
36600				A333
36550				A334
36500				A335
36450				A336
36400				A337
36350				A338
36300				A339
36250				A340
36200				A341
36150				A342
36100				A343
36050				A344
36000				A345
35950				A

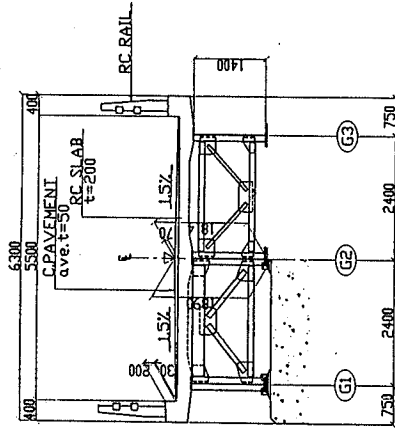
Br.No39 Vinh Cong Bridge (General View of the Bridge)

PROFILE
SCALE=1/200

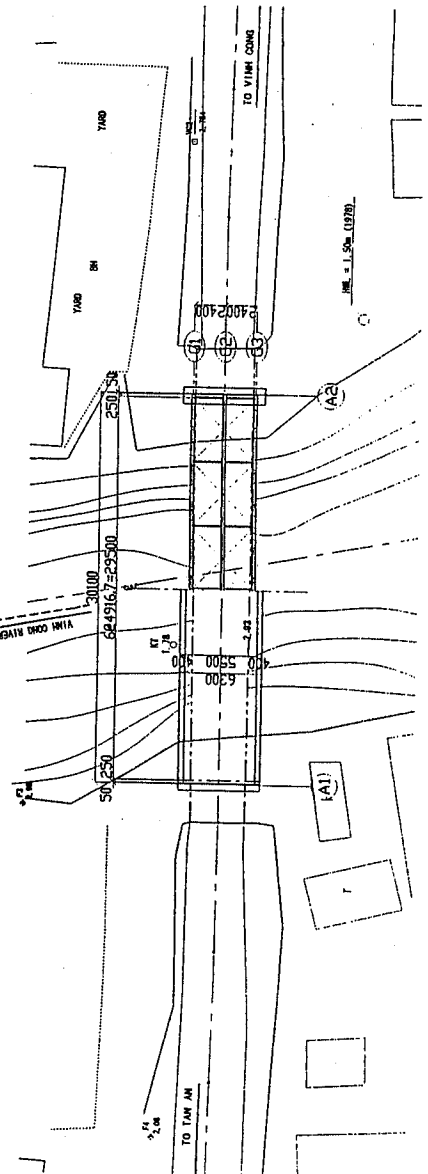


GRADE	PROPOSED HIGHT	GROUND HIGHT	DISTANCE	MARKER
6.46	250	250	0	A1
6.49	250	250	50	
6.53	250	250	100	
6.58	250	250	150	
6.63	250	250	200	
6.68	250	250	250	
6.73	250	250	300	
6.78	250	250	350	
6.83	250	250	400	
6.88	250	250	450	
6.93	250	250	500	
6.98	250	250	550	
7.03	250	250	600	
7.08	250	250	650	
7.13	250	250	700	
7.18	250	250	750	
7.23	250	250	800	
7.28	250	250	850	
7.33	250	250	900	
7.38	250	250	950	
7.43	250	250	1000	
7.48	250	250	1050	
7.53	250	250	1100	
7.58	250	250	1150	
7.63	250	250	1200	
7.68	250	250	1250	
7.73	250	250	1300	
7.78	250	250	1350	
7.83	250	250	1400	
7.88	250	250	1450	
7.93	250	250	1500	
7.98	250	250	1550	
8.03	250	250	1600	
8.08	250	250	1650	
8.13	250	250	1700	
8.18	250	250	1750	
8.23	250	250	1800	
8.28	250	250	1850	
8.33	250	250	1900	
8.38	250	250	1950	
8.43	250	250	2000	
8.48	250	250	2050	
8.53	250	250	2100	
8.58	250	250	2150	
8.63	250	250	2200	
8.68	250	250	2250	
8.73	250	250	2300	
8.78	250	250	2350	
8.83	250	250	2400	
8.88	250	250	2450	
8.93	250	250	2500	
8.98	250	250	2550	
9.03	250	250	2600	
9.08	250	250	2650	
9.13	250	250	2700	
9.18	250	250	2750	
9.23	250	250	2800	
9.28	250	250	2850	
9.33	250	250	2900	
9.38	250	250	2950	
9.43	250	250	3000	
9.48	250	250	3050	
9.53	250	250	3100	
9.58	250	250	3150	
9.63	250	250	3200	
9.68	250	250	3250	
9.73	250	250	3300	
9.78	250	250	3350	
9.83	250	250	3400	
9.88	250	250	3450	
9.93	250	250	3500	
9.98	250	250	3550	
10.03	250	250	3600	
10.08	250	250	3650	
10.13	250	250	3700	
10.18	250	250	3750	
10.23	250	250	3800	
10.28	250	250	3850	
10.33	250	250	3900	
10.38	250	250	3950	
10.43	250	250	4000	
10.48	250	250	4050	
10.53	250	250	4100	
10.58	250	250	4150	
10.63	250	250	4200	
10.68	250	250	4250	
10.73	250	250	4300	
10.78	250	250	4350	
10.83	250	250	4400	
10.88	250	250	4450	
10.93	250	250	4500	
10.98	250	250	4550	
11.03	250	250	4600	
11.08	250	250	4650	
11.13	250	250	4700	
11.18	250	250	4750	
11.23	250	250	4800	
11.28	250	250	4850	
11.33	250	250	4900	
11.38	250	250	4950	
11.43	250	250	5000	
11.48	250	250	5050	
11.53	250	250	5100	
11.58	250	250	5150	
11.63	250	250	5200	
11.68	250	250	5250	
11.73	250	250	5300	
11.78	250	250	5350	
11.83	250	250	5400	
11.88	250	250	5450	
11.93	250	250	5500	
11.98	250	250	5550	
12.03	250	250	5600	
12.08	250	250	5650	
12.13	250	250	5700	
12.18	250	250	5750	
12.23	250	250	5800	
12.28	250	250	5850	
12.33	250	250	5900	
12.38	250	250	5950	
12.43	250	250	6000	
12.48	250	250	6050	
12.53	250	250	6100	
12.58	250	250	6150	
12.63	250	250	6200	
12.68	250	250	6250	
12.73	250	250	6300	
12.78	250	250	6350	
12.83	250	250	6400	
12.88	250	250	6450	
12.93	250	250	6500	
12.98	250	250	6550	
13.03	250	250	6600	
13.08	250	250	6650	
13.13	250	250	6700	
13.18	250	250	6750	
13.23	250	250	6800	
13.28	250	250	6850	
13.33	250	250	6900	
13.38	250	250	6950	
13.43	250	250	7000	
13.48	250	250	7050	
13.53	250	250	7100	
13.58	250	250	7150	
13.63	250	250	7200	
13.68	250	250	7250	
13.73	250	250	7300	
13.78	250	250	7350	
13.83	250	250	7400	
13.88	250	250	7450	
13.93	250	250	7500	
13.98	250	250	7550	
14.03	250	250	7600	
14.08	250	250	7650	
14.13	250	250	7700	
14.18	250	250	7750	
14.23	250	250	7800	
14.28	250	250	7850	
14.33	250	250	7900	
14.38	250	250	7950	
14.43	250	250	8000	
14.48	250	250	8050	
14.53	250	250	8100	
14.58	250	250	8150	
14.63	250	250	8200	
14.68	250	250	8250	
14.73	250	250	8300	
14.78	250	250	8350	
14.83	250	250	8400	
14.88	250	250	8450	
14.93	250	250	8500	
14.98	250	250	8550	
15.03	250	250	8600	
15.08	250	250	8650	
15.13	250	250	8700	
15.18	250	250	8750	
15.23	250	250	8800	
15.28	250	250	8850	
15.33	250	250	8900	
15.38	250	250	8950	
15.43	250	250	9000	
15.48	250	250	9050	
15.53	250	250	9100	
15.58	250	250	9150	
15.63	250	250	9200	
15.68	250	250	9250	
15.73	250	250	9300	
15.78	250	250	9350	
15.83	250	250	9400	
15.88	250	250	9450	
15.93	250	250	9500	
15.98	250	250	9550	
16.03	250	250	9600	
16.08	250	250	9650	
16.13	250	250	9700	
16.18	250	250	9750	
16.23	250	250	9800	
16.28	250	250	9850	
16.33	250	250	9900	
16.38	250	250	9950	
16.43	250	250	10000	

SECTION
SCALE=1/50



PLAN
SCALE=1/200



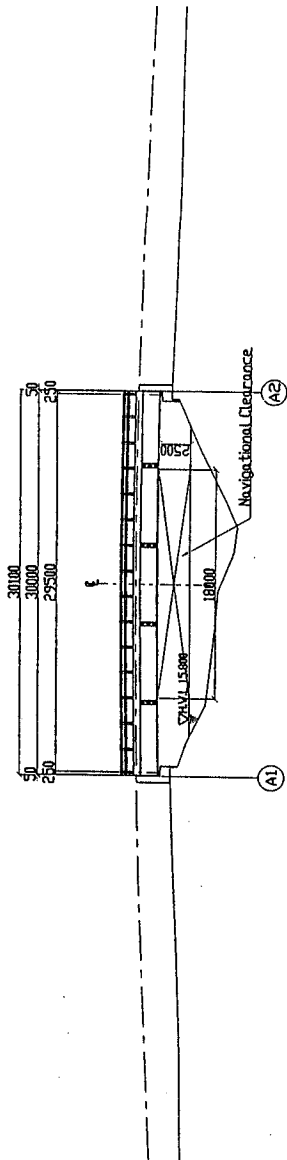
DESIGN CRITERIA

General Conditions	Value/Unit
Beam Spacing	1.50m/1.50m
Bridge Length (Beam Length)	20.1m
Clear Width	5.5m
Longitudinal Gradient	0.05%
Cross-fall of Carriageway	1.5%
Super Structure Type	Steel
Sub Structure Type	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm
Material Strength	Steel Pipes 40x40x4mm
Deck	Reinforced Concrete
Super Structure Type	Girder: 4x2100x4/cm2 Cross Beam: 4x4400x4/cm2 Sub: 4x28-300x4/cm2
Surface	C/Pavement: 4x1.5cm
Sub Structure Type	Carb. Pill: 4x28-300x4/cm2
Reinforcing Steel	SD295 (fy=30kg/cm2)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN AGRICULTURE AREA	
Japan International Cooperation Agency (JICA)	
Ministry of Transport The Socialist Republic of Vietnam	
Drawing Title	Scale
General View of Vinh Cong Bridge	1/200, 1/50
Drawing No.	

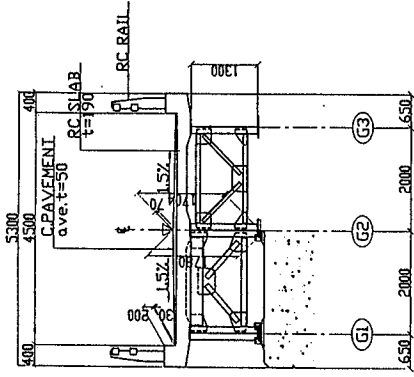
Br.No43 Xe Be Bridge
(General View of the Bridge)

PROFILE
SCALE=1/200

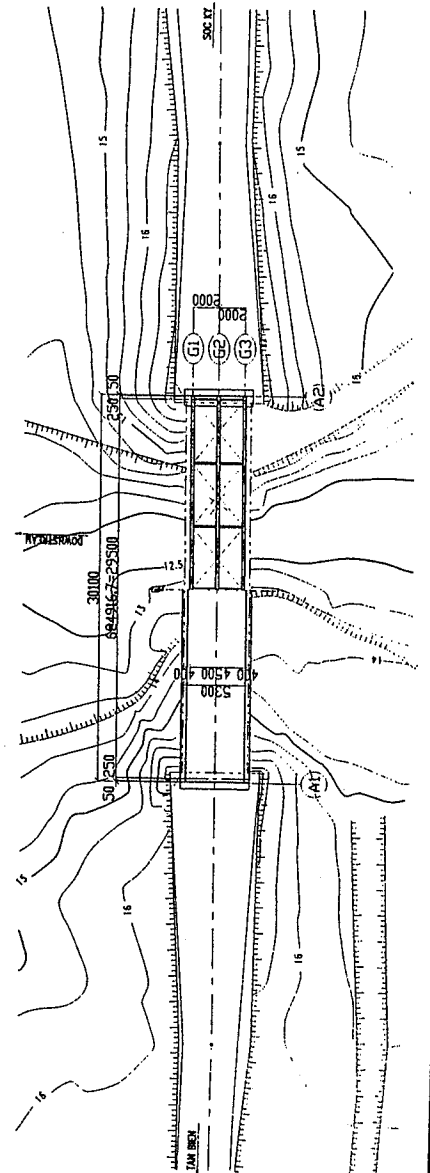


GRADE	PROPOSED HIGHT	GROUND HIGHT	DISTANCE	MARKER
19.90	17.20	16.80	0	M
17.20	17.20	16.80	11.4	M
14.99	17.20	16.80	12.9	P
12.11	17.20	16.80	13.6	P
12.93	17.20	16.80	14.3	P
13.86	17.20	16.80	15.0	P
13.60	17.20	16.80	15.7	P
12.93	17.20	16.80	16.4	P
12.11	17.20	16.80	17.1	P
13.02	17.20	16.80	17.8	P
14.99	17.20	16.80	18.5	P
17.20	17.20	16.80	19.2	P
19.90	17.20	16.80	19.9	P

SECTION
SCALE=1/50



PLAN
SCALE=1/200



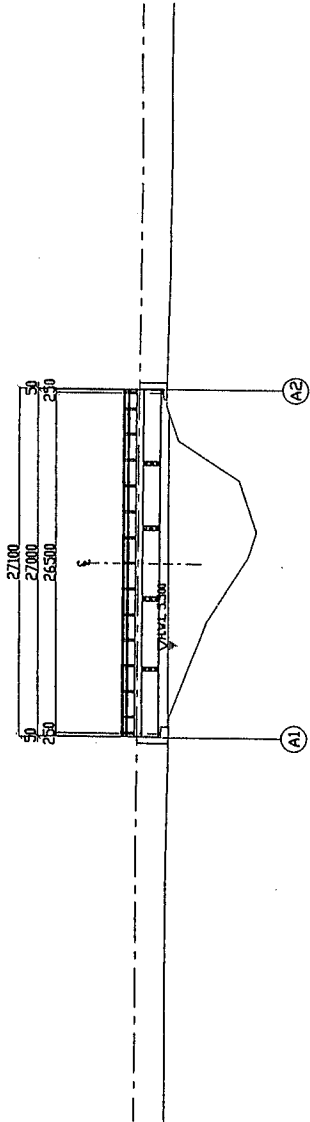
DESIGN CRITERIA

General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	30.1m
Clear Width	4.5m
Longitudinal Gradient	0.02%
Clear-Hill of Carriage way	1.50%
Super Structure Type	Steel
Sub Structure Type	Reinforced Concrete
Abutment	Reinforced Concrete
Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square Abutment Steel Pipe 400.4mm
Material Strength	
Concrete	f _c =200kg/cm ²
Steel	f _s =2400kg/cm ²
Surface	f _s =2400kg/cm ²
Sub Structure Type	f _s =2400kg/cm ²
Reinforcing Steel	f _s =2400kg/cm ²

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEGHNA DELTA AREA	
Asian International Cooperation Agency (AICA)	
Ministry of Transport	
The Socialist Republic of Vietnam	
Project Title	Scale
General View of Xe Be Bridge	1/200, 1/50
Drawing No.	Drawing No.

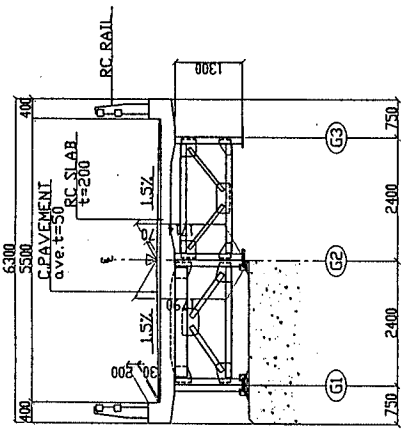
Br.No46 Rach Ro Bridge
(General View of the Bridge)

PROFILE
SCALE=1/200

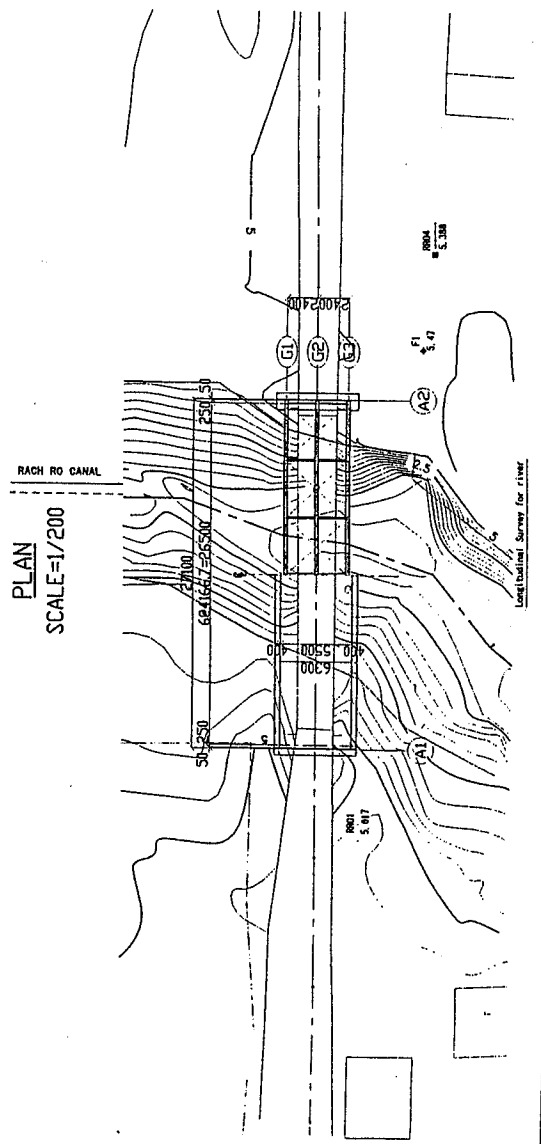


GRADE	PROPOSED HEIGHT	GROUND HEIGHT	DISTANCE	MARKER
62	56.50	55.9	71.70	A1
63	64.90	54.3	71.70	A2
64	79.20	68.6	71.70	A3
65	85.00	74.4	71.70	A4
66	88.00	77.4	71.70	A5
67	91.70	81.1	71.70	A6
68	92.05	81.45	71.70	A7
69	102.75	92.15	71.70	A8

SECTION
SCALE=1/50



PLAN
SCALE=1/200



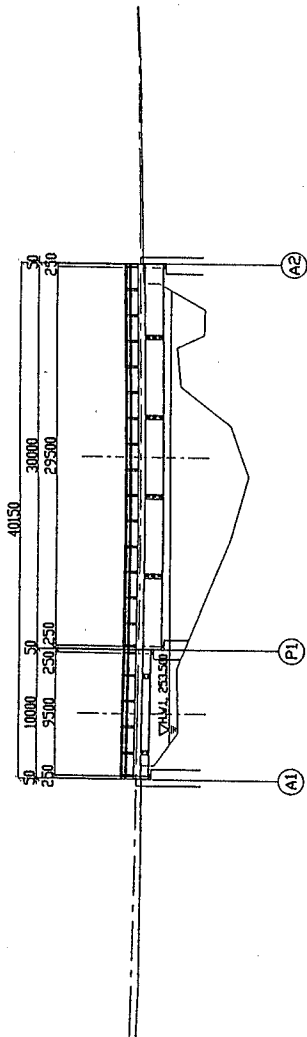
DESIGN CRITERIA

General Condition	Value/Unit
Design Speed	40km/h
Bridge Length (Span Length)	27.0m
Clear Width	5.5m
Longitudinal Gradient	0.00max
Cross-fall of Carriage way	1.5%
Super Structure Type	Steel
Abutment	Reinforced Concrete
Pier	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe 40x40cm
Material Strength	Grade Cross Beam Slab C/Pavement Curb Wall Sub Structure Type Reinforcing Steel
	$f_c = 200kg/cm^2$ $f_s = 1400kg/cm^2$ $f_c = 28-300kg/cm^2$ $f_c = 28-300kg/cm^2$ $f_c = 28-300kg/cm^2$ $f_s = 28-300kg/cm^2$ $f_s = 28-300kg/cm^2$

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN HANGU AREA	
Japan International Cooperation Agency (JICA)	
Ministry of Transport The Socialist Republic of Vietnam	
Pacific Consultants International	
Drawing Title	Scale
General View of Rach Ro Bridge	1/200, 1/50
Drawing No.	

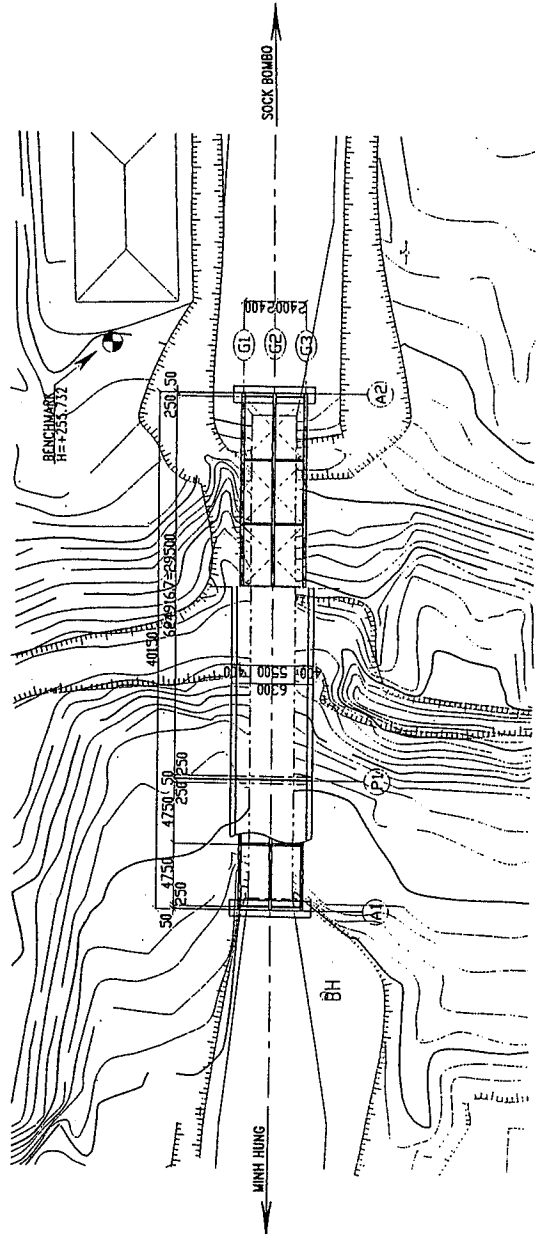
Br.No50 Number 5 Bridge
(General View of the Bridge)

PROFILE
SCALE=1/200

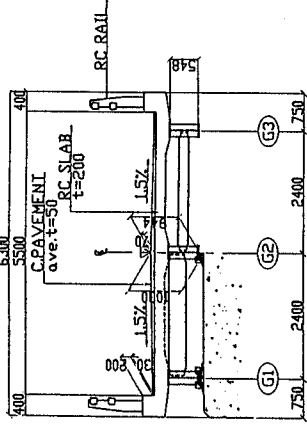


GRADE	PROPOSED HEIGHT	GROUND HEIGHT	DISTANCE	MARKER
47.50	24.75	24.75	0	A1
47.00	24.25	24.25	10.00	P1
46.50	23.75	23.75	20.00	A2

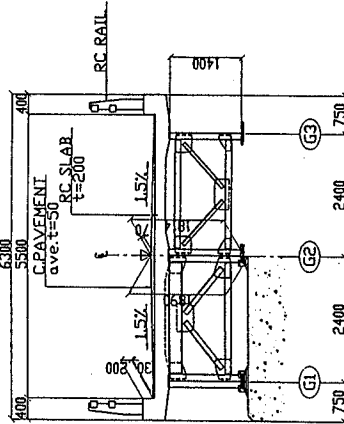
PLAN
SCALE=1/200



SECTION
SCALE=1/50
A1-P1



P1-A2



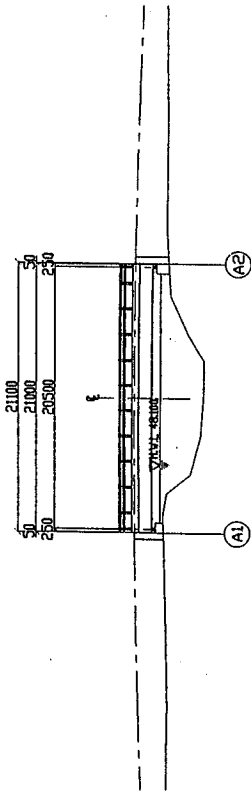
DESIGN CRITERIA

General Condition	
Design Speed	V=40km/h
Bridge Length (Span Length)	40.5m
Clear Width	5.5m
Longitudinal Gradient	0.02% max
Cross-fall of Carriage way	1.5%
Super Structure Type	Steel
Sub Structure Type	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 40x40cm Steel Pipe φ40x4mm
Material Strength	
Super Structure Type	Grider
Super Structure Type	Steel
Surface	Bitumen
Sub Structure Type	Reinforced Concrete
Reinforcing Steel	SP520 (φ=20kg/cm ²)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN MEGONG DELTA AREA	
Japan International Cooperation Agency (JICA)	Ministry of Transport
Pacific Consultants International	The Socialist Republic of Vietnam
Drawing Title	Drawing No.
Scale	1/200 - 1/50
General Title of Number 5 Bridge	

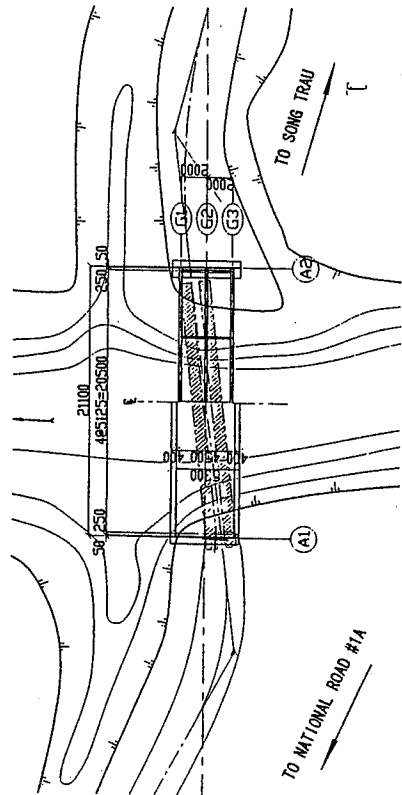
Br.No54 Bay Xeo Bridge
(General View of the Bridge)

PROFILE
SCALE=1/200

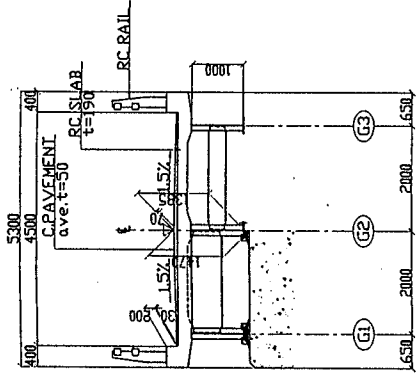


GRADE	PROPOSED HEIGHT	GROUND HEIGHT	DISTANCE	MARKER
	21000	19374.5	0	A1
	21000	19728	50	
	21000	19781	100	
	21000	19821	150	
	21000	19851	200	
	21000	19871	250	
	21000	19881	300	
	21000	19881	350	
	21000	19871	400	
	21000	19841	450	
	21000	19791	500	
	21000	19721	550	
	21000	19631	600	
	21000	19521	650	
	21000	19374.5	700	A2

PLAN
SCALE=1/200



SECTION
SCALE=1/50



DESIGN CRITERIA

Design Speed	70 km/h
Bridge Length (Span Length)	21 km
Clear Width	8.75 m
Longitudinal Gradient	1.5%
Cross-fall of Corridor	1.5%
Super Structure Type	Reinforced Concrete
Sub Structure Type	Reinforced Concrete
Foundation Type	Reinforced Concrete Square 4ftx4ft
Material Strength	Steel Pipe 4408 mm
Super Structure Type	Girder
	Cross Beam
	Slab
Surfaces	C.Pavement
Sub Structure Type	Curb Wall
Reinforcing Steel	Steel Pipe 4408 mm

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES IN KHEUNG TRUEN AREA	
Asian International Cooperative Agency (AICA)	
Ministry of Transport	
The Socialist Republic of Vietnam	
Project Name	Scale
Drawing Title	1/200 - 1/50
General View of Bay Xeo Bridge	Drawing No.

